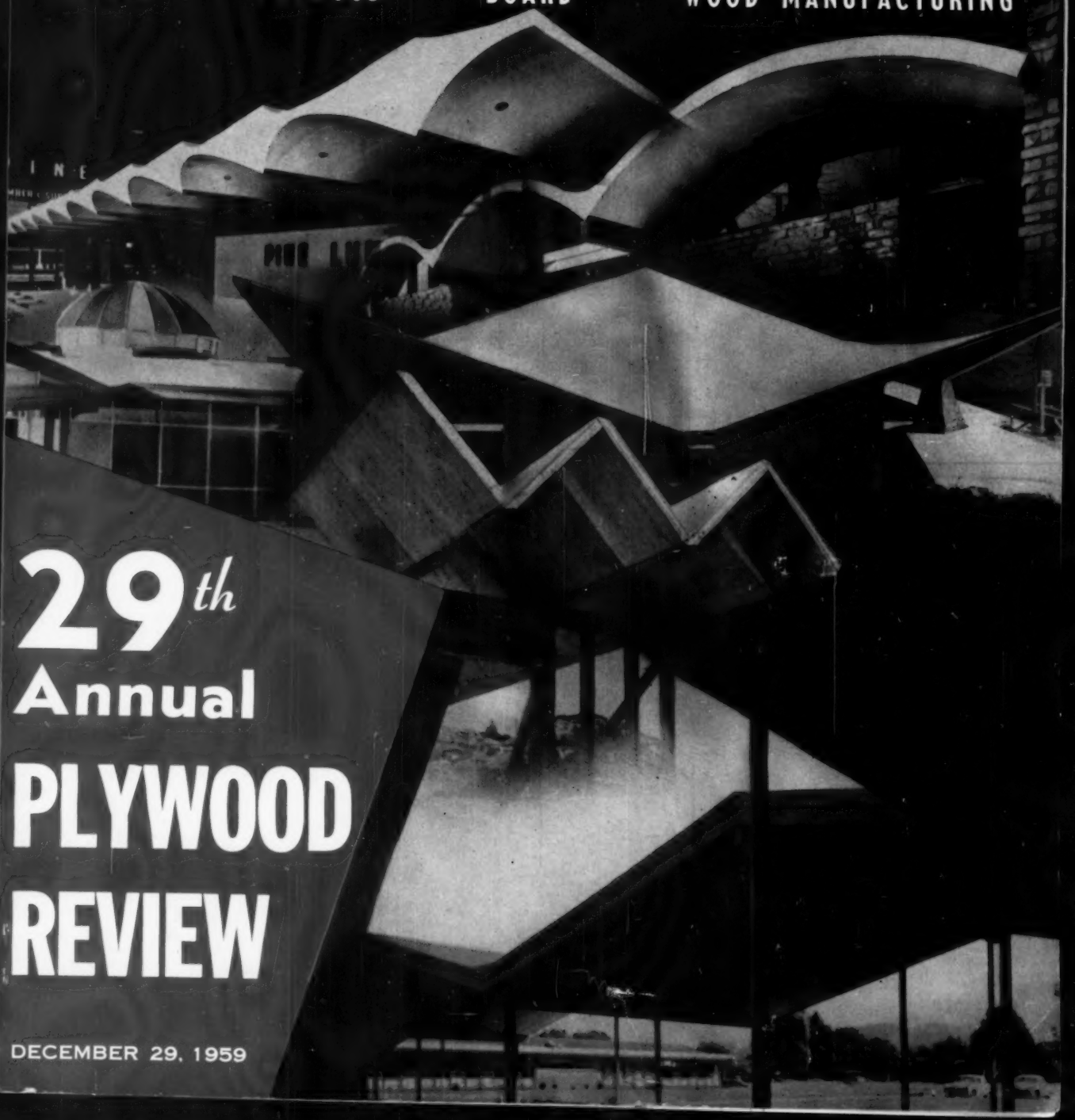
THE Lumberman

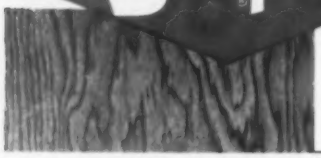
LUMBER PLYWOOD BOARD WOOD MANUFACTURING



29th Annual PLYWOOD REVIEW

DECEMBER 29, 1959

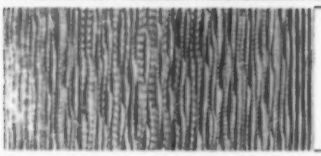
Simpson specialty plywoods



FIGURED GRAIN REDWOOD
Available in Natural or Planked Exterior

RIFT GRAIN REDWOOD
Available in Natural or Planked Exterior

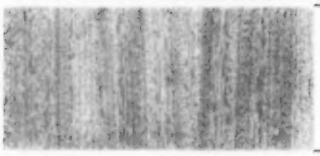
REDWOOD SHADOWOOD
Available in Natural or Planked Exterior



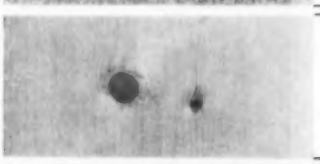
REDWOOD PLYWEAVE
Available in Natural only Exterior

REDWOOD RUSTICWOOD
3/8" x 1/4" Channels 4" O.C. Exterior

FIGURED GRAIN PHILIPPINE MAHOGANY
Available in Natural or Planked Interior

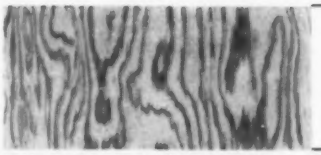


RIBBON GRAIN PHILIPPINE MAHOGANY
Available in Natural or Planked Interior



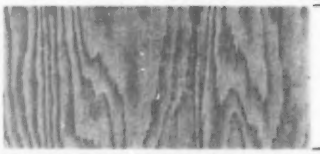
KNOTTY PINE
Available in Natural or Planked Interior

BIRCH
Available in Natural or Planked Interior

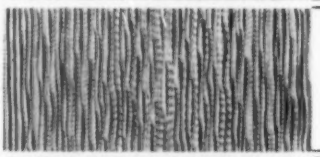


DOUGLAS FIR
Available in Natural, or Planked Interior & Exterior
Exterior Texture 1-11, Boat Hull & Jumbo Panels

RIFT GRAIN FIR
Available in Natural or Planked Interior & Exterior



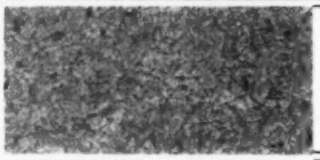
FIR SHADOWOOD
Available in Natural or Planked Interior & Exterior



FIR PLYWEAVE
Available in Natural only Interior & Exterior

FIR STRIATED
Available in Natural only Interior & Exterior

OAK (HALF ROUND)
Available in Natural only Interior



PLYRON (Hardboard Faced Plywood)
Available in Standard Interior & Exterior and Tempered Exterior

OVERLAID FIR PLYWOOD (High Density)
Exterior

OVERLAID FIR PLYWOOD (Medium Density)
Exterior

Order these specialties from your jobber today!

Simpson

PD 815

SIMPSON LOGGING COMPANY

SALES OFFICE, PLYWOOD AND DOOR PRODUCTS: 2301 N. COLUMBIA BLVD., PORTLAND 17, OREGON

REGIONAL SALES OFFICES IN NEW YORK, CLEVELAND, CHICAGO, MINNEAPOLIS, MEMPHIS, DALLAS, DENVER, LOS ANGELES, PORTLAND, SEATTLE

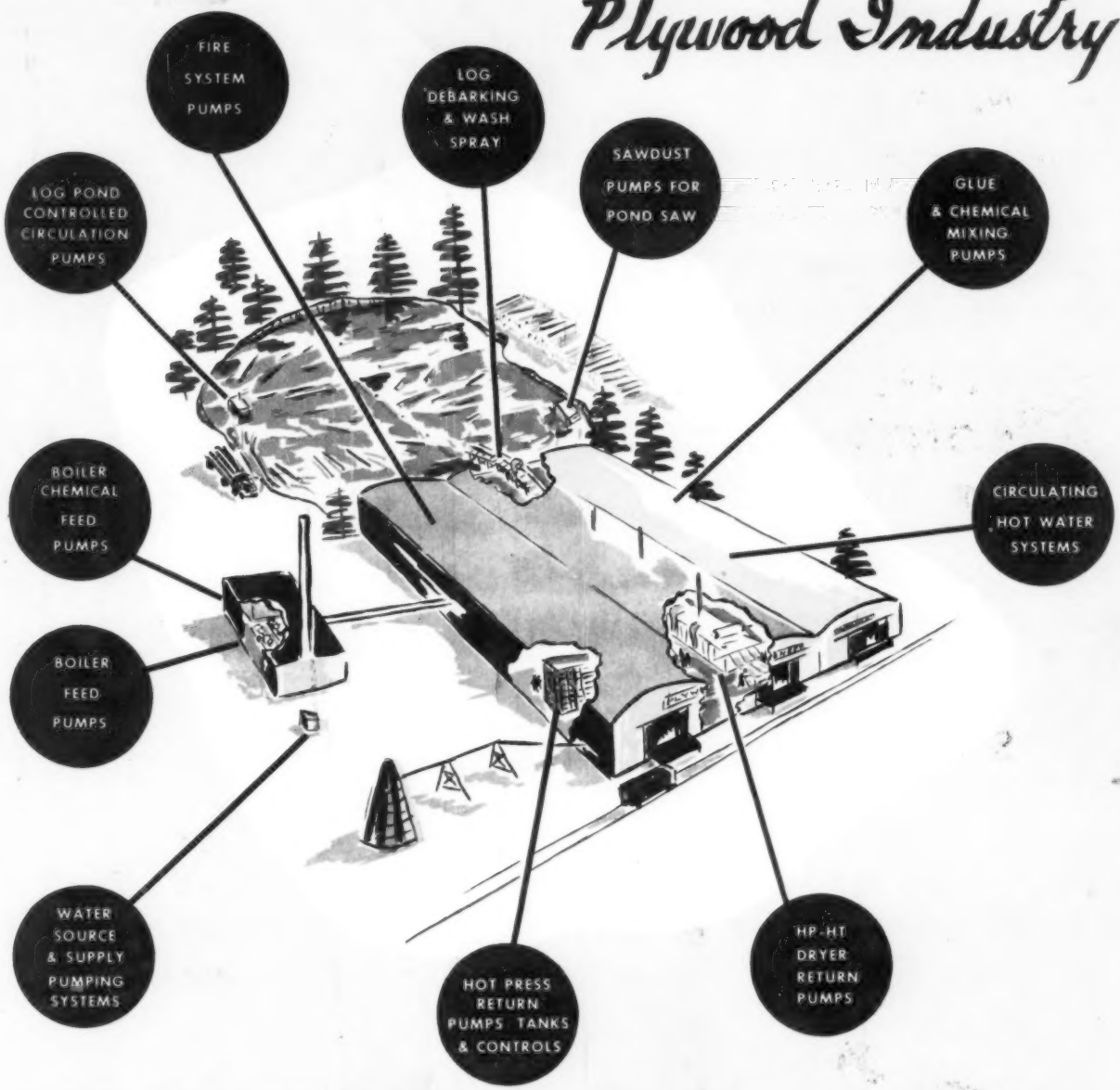
GENERAL OFFICES IN SHELTON, WASHINGTON

PACIFIC

MANUFACTURERS OF

PUMPS FOR EVERY SERVICE

Pumps for the Plywood Industry


FIRE SYSTEM PUMPS
LOG DEBARKING & WASH SPRAY
SAWDUST PUMPS FOR POND SAW
LOG POND CONTROLLED CIRCULATION PUMPS
GLUE & CHEMICAL MIXING PUMPS
BOILER CHEMICAL FEED PUMPS
CIRCULATING HOT WATER SYSTEMS
BOILER FEED PUMPS
WATER SOURCE & SUPPLY PUMPING SYSTEMS
HOT PRESS RETURN PUMPS TANKS & CONTROLS
HP-HT DRYER RETURN PUMPS

PACIFIC PUMPING COMPANY

PACIFIC

MANUFACTURERS and DISTRIBUTORS of PUMPS FOR EVERY SERVICE

MAIN OFFICE and FACTORY: P.O. BOX 44, OAKLAND 4, CALIFORNIA

PORTLAND OFFICE:
526 N.W. BROADWAY
PORTLAND, OREGON

SEATTLE OFFICE:
114 HARRISON STREET
SEATTLE 99, WASHINGTON

LOS ANGELES OFFICE:
1020 ATLANTIC BLVD.
LOS ANGELES 22, CALIFORNIA

DALLAS OFFICE:
2023 FARRINGTON STREET
DALLAS 7, TEXAS

FAR WESTERN:

FIRST IN CLOSED RETURN SYSTEMS-LATEST DEVELOPMENTS IN STRIP-FLOW MAKE IT AS IMPORTANT TO PLYWOOD PRODUCTION AS THE VENEER DRYER

FIRST IN DRYER AUTOMATION THRU DEVELOPMENT OF AUTOMATIC DAMPER CONTROL BASED ON MOISTURE CONTENT OF CIRCULATING AIR

FIRST AUTOMATIC DRYER STEAM SAFETY SHUT-OFF SYSTEM

FIRST IN BOILER AUTOMATION

FAR WESTERN
EQUIPMENT AND CHEMICAL COMPANY
BUILDING 631 OAKLAND AIRPORT
OAKLAND, CALIFORNIA
TELEPHONE: NEptune 6-1204

HIGH PERFORMANCE SYSTEMS FOR INDUSTRY

VOLUME 86 • NUMBER 13

29th Annual Plywood Review

DECEMBER 29, 1959

EDITORIAL STAFF

W. E. CROSBY.....Editorial Director
DEAN F. SHERMAN.....Editor
LEE R. FLATBERG.....Managing Editor
WARD C. WILLIAMS.....Associate Editor
STANLEY M. JEPSEN.....Associate Editor
HAROLD H. KEIL.....Associate Editor
HERBERT G. LAMBERT.....Associate Editor
CHARLES L. SHAW.....Canadian Editor

BUSINESS STAFF

JAMES C. WALLACE.....Business Manager
CHARLES W. COWMAN.....Sales Manager
J. B. OLSON.....Special Services Sales Manager
JOHN LAUGHLIN.....Production Manager
CHARLES C. BAAKE.....Circulation Manager

PUBLISHING OFFICES

PORTLAND 5, OREGON
731 S. W. Oak St., CApitol 2-1314
Cable: Millfreepub

ADVERTISING OFFICES

PORTLAND 5, OREGON
731 S. W. Oak St., CApitol 2-1314
C. W. Cowman, J. C. Wallace, J. B. Olson
SEATTLE 4, WASHINGTON
71 Columbia St., MAin 2-1626
Cable: Millfreepub
SAN FRANCISCO 5, CALIFORNIA
500 Howard St., EXbrook 7-1881
Stuart F. Leete
Cable: Millfreepub
VANCOUVER 3, B. C.
402 Pender St., W., MUtual 5-7287
C. L. Shaw
Cable: Millfreepub
LOS ANGELES 65, CALIFORNIA
3501 Eagle Rock Blvd., CLinton 5-7194
Raul Rodriguez
NEW YORK 17, NEW YORK
370 Lexington Ave., MUrray Hill 3-9294
Cable: Millfreepub
CHICAGO 26, ILLINOIS
1791 Howard St., ROgers Park 4-3420
E. T. Wang
Cable: Millfreepub
CLEVELAND 3, OHIO
4500 Euclid Ave., EXpress 1-4180
Kenneth A. Kruse
LONDON W.1, ENGLAND
130 Crawford St. (Corner Baker St.)
Cable: Millfreepub
Bernard W. Lansdowne,
Manager, United Kingdom
KÖLN-MERHEIM, WEST GERMANY
18, Attendorner St.
Dr. Walter F. Vogeno, Director
Continental European Operations
Cable: Millfreepub

PUBLISHED monthly, except in December when semi-monthly, by MILLER FREEMAN PUBLICATIONS, 731 Southwest Oak Street, Portland 5, Oregon. Entered as second-class matter at the Post Office at Portland, Oregon, under Act of March 4, 1879.

ADVERTISING—Complete plates only should be sent to: THE LUMBERMAN, 102 N.W. Ninth Ave., Portland 9, Oregon. Advertising copy and cuts, insertion orders and all instructions should be sent to the publishing office: 731 Southwest Oak Street, Portland 5, Oregon.

Member of Audit Bureau of Circulation and The Associated Business Publications

SUBSCRIPTION RATES—U. S., Canada, Mexico and other Pan American Union members—One year $4.00; two years $6.00; three years $8.00. Other countries—one year $5.00; two years $8.00; three years $11.00; Single copy 50 cents except Annual Plywood Review number $1.00.

CHANGE OF ADDRESS—Send subscription orders and changes of address to Subscription Department, THE LUMBERMAN, 500 Howard Street, San Francisco 5, California. Include both old and new address and zone number.

COPYRIGHT, 1959, by Miller Freeman Publications, Incorporated. Contents may not be reproduced without permission.

POSTMASTER: Please send Notice 3579 to THE LUMBERMAN, 500 Howard St., San Francisco 5, California.

A MILLER FREEMAN PUBLICATION

OFFICERS

WILLIAM B. FREEMAN.....President
MILLER FREEMAN, JR.....Executive Vice President & Treasurer
MAX F. HOLSINGER.....Vice President, International Operations

THE Lumberman

LUMBER PLYWOOD BOARD WOOD MANUFACTURING

Editorial

A Big Year for Plywood 45

Features

State of the Industry 46
Why Plywood Keeps on Growing 48
New Uses of Plywood 50
Plywood Barrel Vault Roof 53
Component Showcase House 54
Folded Plate Is Distinctive 56
Vault Roof Is Graceful in Appearance 57
Pyramids of Plywood Form Roof 58
Stressed-Skin Panels Are Basic Building Blocks 59
Space Frames Borrow Design of Airplane Wing 60
"Circus Tent of Learning" Is Circular School Addition 62
Folded Plate Solves Site Problems 63
Leisure Home Market Potential Growing 64
Rigid Frame Farm Buildings 66
Hardwood Panels Dress Up Buildings 68
Plywood Beautifies New Research Center 70
B. C. Fir Plywood Finds Variety of Uses 71
Research Spurs New Products and Markets 100
$5.5 Million for Promotion and Research in 1960 107
PFS to Go Nationwide 108
How Component Fabricator Erects a Building 108
Paging . . . Mr. Common Sense 110
World Reports 113
There's Excitement in Glues 114
Hardwood Producers Optimistic 117
New Panel Line Automation 138
Fast Prefinish Line 140
Dry Glue Line Speeds Layup 140
Speedsand Line Cuts Costs 142
Pre-Coated Duraply Siding 142
Six Sanders In-Line Save Time 144
Resand Line Assures Uniformity 144
New Sanding System Under Study 145
Two-Man Patch Line Reduces Costs 146
Hold Down Ups Recovery 148
Wheel Sorter Allows Worker Second Chance 148
Custom Prefinishing Has Future 149
Counterbalance System Speeds Closing Cycle 150
Automatic Edge Taping Hardwood Veneer 150
Directory of Plywood and Veneer Manufacturers 152

RUBBER-TIRED RIGS
you can count on!

Northwest Truck Cranes bring you the dependability and the advantages that Northwest Crawler Equipment has been famous for on logging shows all up and down the Pacific Coast.

In Northwest Truck Cranes you will find the elements characteristic only of finer machinery—design that means longer life on the job and greater value for the men who buy it from you.

Ease of operation without complications

The "Feather-Touch" Clutch Control gives the accuracy and the greater safety that comes with the "feel" of the load. No pumps or compressors. Never affected by temperature or weather—smooth ease that utilizes the power of the engine to throw the heavy drum clutches.

Solid Bases

Cast Steel Machinery Bases and Machinery Side Frames keep shafts and bearings in alignment for reduced wear and long life.

You spot the load where you want it

Uniform Pressure Swing Clutches—No jerks or grabs to make spotting the Grapple difficult. No waste time. Less danger to your crew.

Boom Hoist Equipment that can take it!

Northwest Independent High Speed Boom Hoist Equipment is rugged—built for hour after hour operation, under power both up and down and independent of all other machine functions.

These are only the highlights of Northwest advantages for logging service. Get the full story. No one loses money by buying the best in equipment.

NORTHWEST ENGINEERING COMPANY
1510 Field Bldg., 135 South LaSalle Street,
Chicago 3, Illinois

NORTHWEST *Always Ready to* **GO**

NORTHWEST SALES OFFICES

SEATTLE, WASHINGTON
1234 Sixth Avenue, South

SAN FRANCISCO, CALIFORNIA
255 Tenth Street

VERNON, CALIFORNIA
3707 Santa Fe Avenue

DFPA TESTED QUALITY

YOU PAY NO MORE FOR THE FINEST . . . ROSEBURG's "Double-Checked" quality control system assures a greater volume of repeat customers which means *increased profits* for *you*. It's a *better buy* when you specify famous ROSEBURG diversified wood products . . . "Quality at no extra cost."

Member of: Douglas Fir Plywood Association
Western Pine Association
West Coast Lumber Inspection Bureau

DIVERSIFIED BUYING SERVICE

Specialty Plywoods . . .

- Brushed-Wood Plywood
- Oak Plywood
- Texture One-Eleven
- Brushed Texture One-Eleven
- Birch Plywood
- Knotty-pine Plywood
- Hardboard-faced Plywood
- Lauan Mahogany Plywood
- Red Oak Plywood
- Medium Density Overlaid Texture One-Eleven
- Medium Density Overlaid Plywood

Industrial and Construction Plywood . . .

- PlyForm
- Resin-TITE Weatherized Sheathing
- Interior and Exterior Sanded Items

Lumber . . .

- Old Growth Douglas Fir
- Sugar Pine
- Ponderosa Pine
- Hemlock

100% KILN DRIED AND END STAMPED

PROVEN QUALITY AT NO EXTRA COST!

PLYWOOD

GREATER SALES!

INCREASED PROFITS!

LUMBER

SPECIFY ROSEBURG QUALITY!

PLYWOOD

ROSEBURG

LUMBER

CLIP AND MAIL . . . TODAY!

Roseburg Lumber Co.

☐ Please send us the name of the nearest **ROSEBURG** lumber and/or plywood wholesaler or jobber.

☐ Please send us the **ROSEBURG WOODSMAN** monthly publication.

Firm_____

By_____

Street_____

City_____ State_____

HOW DRY I AM!

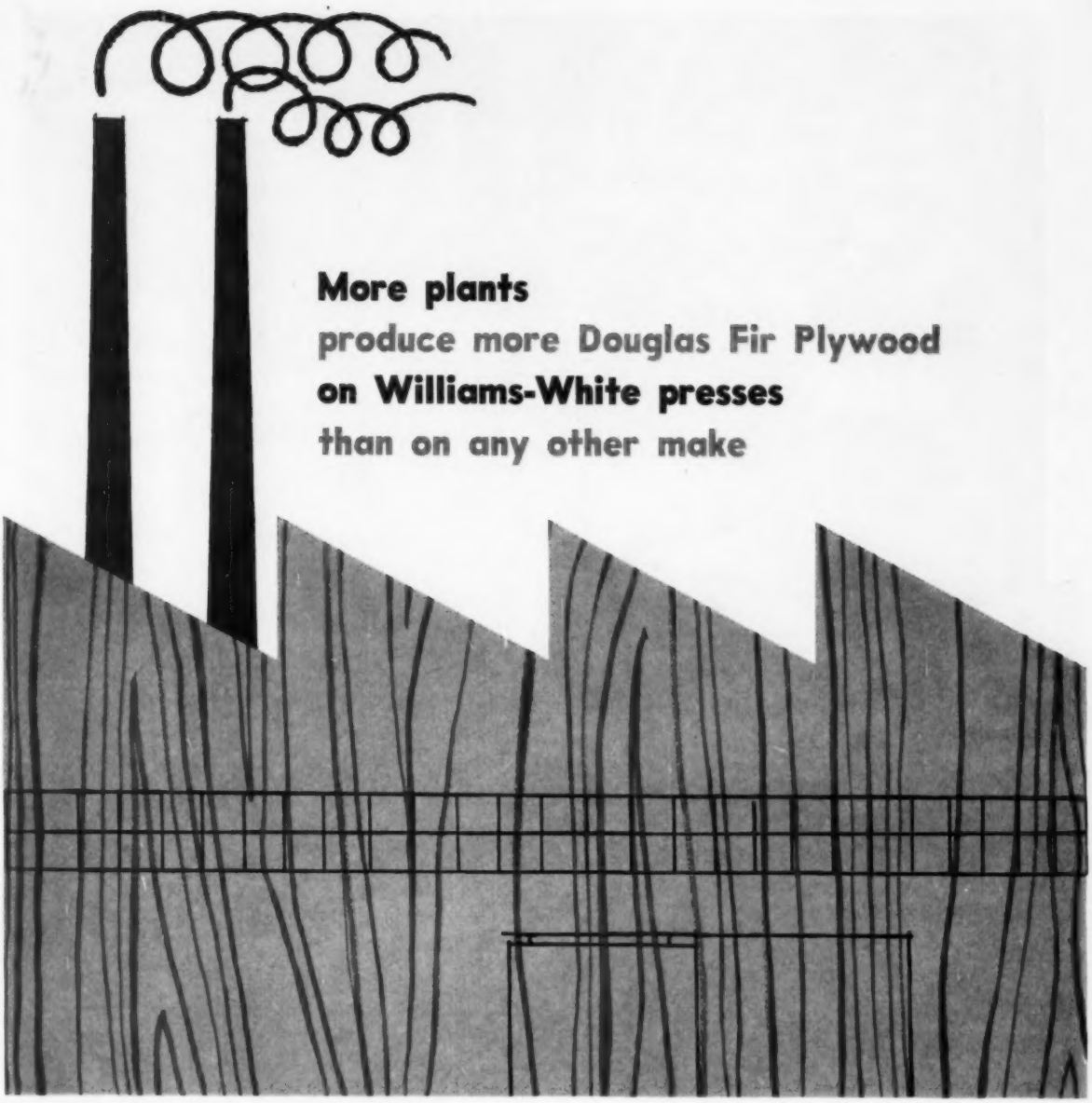
Suburban's clean, efficient and versatile LP-Gas gives you the driest heat and hottest flame of all for your dry kiln needs. Furthermore, a qualified and experienced engineering department is available to build and service your LP-Gas bulk storage facilities, regardless of size. Yes, lumbermen all over the west agree Suburban LP-Gas is dryer, hotter, cleaner and more efficient for their dry kiln operations. They now enjoy economies of operation never before realized through less maintenance, faster lighting and easier handling. Why not join this fast increasing group by converting your dry kilns to Suburban LP-Gas today!

THE WEST'S MOST DIVERSIFIED LP GAS COMPANY

SUBURBAN GAS SERVICE

Your Neighbor—Throughout the West!

DIVISIONAL OFFICES: **DENVER 16, Colorado,** 3801 E. 56th Ave., ALpine 5-5446 • **PHOENIX, Arizona,** P. O. Box 11007, APplegate 8-8511 • **POMONA, California,** 2021 Towne Ave., NAtional 3-2121 • **PORTLAND 11, Oregon,** 641 NE Lombard St., BUtler 5-2561 • **SPOKANE 63, Washington,** 7909 E. Sprague St., WAlnut 4-2540 • **TACOMA, Washington,** 14012 Pacific Ave., LEnox 7-8641. In Tacoma it's Redi-Gas (a division of Suburban Gas Service)



More plants
produce more Douglas Fir Plywood
on Williams-White presses
than on any other make

Winner by numerical count,
Williams-White hot plate presses have proved their performance leadership in the great Northwest plywood industry.

Custom-designed to meet your exact production requirements, your Williams-White press is engineered to deliver maximum productivity and maintenance economy.

For illustrated information on Williams-White multiple-opening hot plate presses, write for the free Bulletin Number 200-A.

106th year

the measure of Performance Reliability for more than a century

WILLIAMS-WHITE & CO. • MOLINE, ILLINOIS

SALES AGENTS: Portland, Ore.: Allied Northwest Machine Tool Corp.; **Seattle:** Perine Machinery & Supply Co., Inc.

"Finest Veneer Knife We've Ever Used!"
"We substantially cut down time for re-sharpening!"
"We like the Royal Chinook!"
ROYAL CHINOOK

SIMONDS
SAW AND STEEL CO.
Fitchburg, Mass.

Factory Branches in Boston, Chicago, Shreveport, La., San Francisco and Portland, Oregon
Canadian Factory in Montreal, Que.
Simonds Divisions: Simonds Steel Mill, Lockport, N.Y. Haller Tool Co., Newcomerstown, Ohio, Simonds Abrasive Co., Phil., Pa., and Arvida, Que., Canada

For Fast, Dependable Service Call Your Simonds Distributor

These are typical of the many comments we've received since introducing the All-New Simonds Royal Chinook veneer knife. Numerous users of this premium knife — available at ordinary knife prices — have substantiated our statement — "There's Longer Life In A Simonds Knife".

They've found that the New Royal Chinook is the answer to veneer knife problems. They've found that the Royal Chinook is extra tough, has extra resistance to nicking, dodging or breaking out — stays sharper longer and cuts more peeler blocks per shift than any other knife.

So, no matter where you need a veneer knife — on a lathe, clipper or slicer — it'll pay you to use a Simonds Royal Chinook. Check with your Simonds Distributor now — he'll give you all the details.

Inventory costs cut...*profits up* with Mixed Carload Shipments

Mixed car orders keep your inventories low and flexible, cutting inventory overhead and storage costs to a minimum. This not only frees your cash for profitable use – it also means you can offer customers fast service on special items. Your distributor will be glad to assist you in making up a mixed car of Crown Z lumber and shingle products to suit your specific requirements. Your order will be loaded at the Fraser Mills plant of Canadian Western Lumber Company, and shipped directly to you.

Results: inventory low, turnover high, service excellent, profits up!

Include any or all of these popular lines:

- **Pacific Coast Lumber Products** *Douglas Fir, Western Red Cedar, West Coast Hemlock, Idaho White Pine*
- **Green or Kiln Dried Construction Grades & Sizes**
- **Kiln Dried Finish**
- **Pattern Clears (K.D.)** *Flooring, Siding, Panelling and Trim*
- **Roof Decking**
- **Certigrade Western Red Cedar Shingles**
- **Prefits (Squared & Rebutted Sidewall Shingles)**

CANADIAN WESTERN LUMBER COMPANY, LIMITED

FRASER MILLS, BRITISH COLUMBIA

POSTAL ADDRESS – 15 KING EDWARD AVENUE

NEW WESTMINSTER, B.C.

A DIVISION OF **CROWN ZELLERBACH CANADA** LIMITED

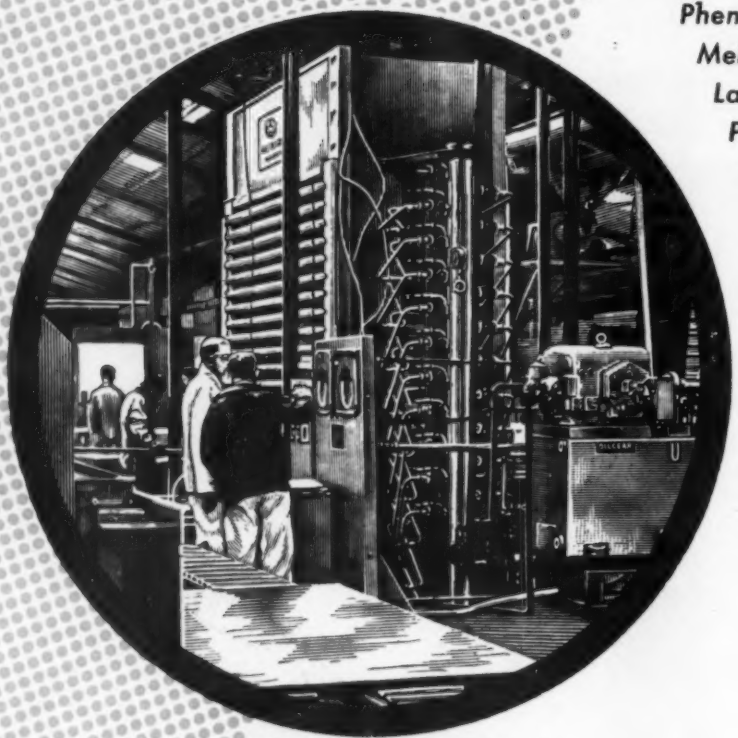
Crown Z mixed carload shipments are available from your local wholesaler

Or write Canadian Western Lumber Company Limited for the Crown Z wholesaler in your territory.

MORE AND MORE DEMANDS FOR

MEIKI HOTPRESSES

for
Hard Vinyl Sheets
Phenol
Melamine
Laminates
Particle Boards
Textile Boards
Overlay
Honeycomb
Plywood

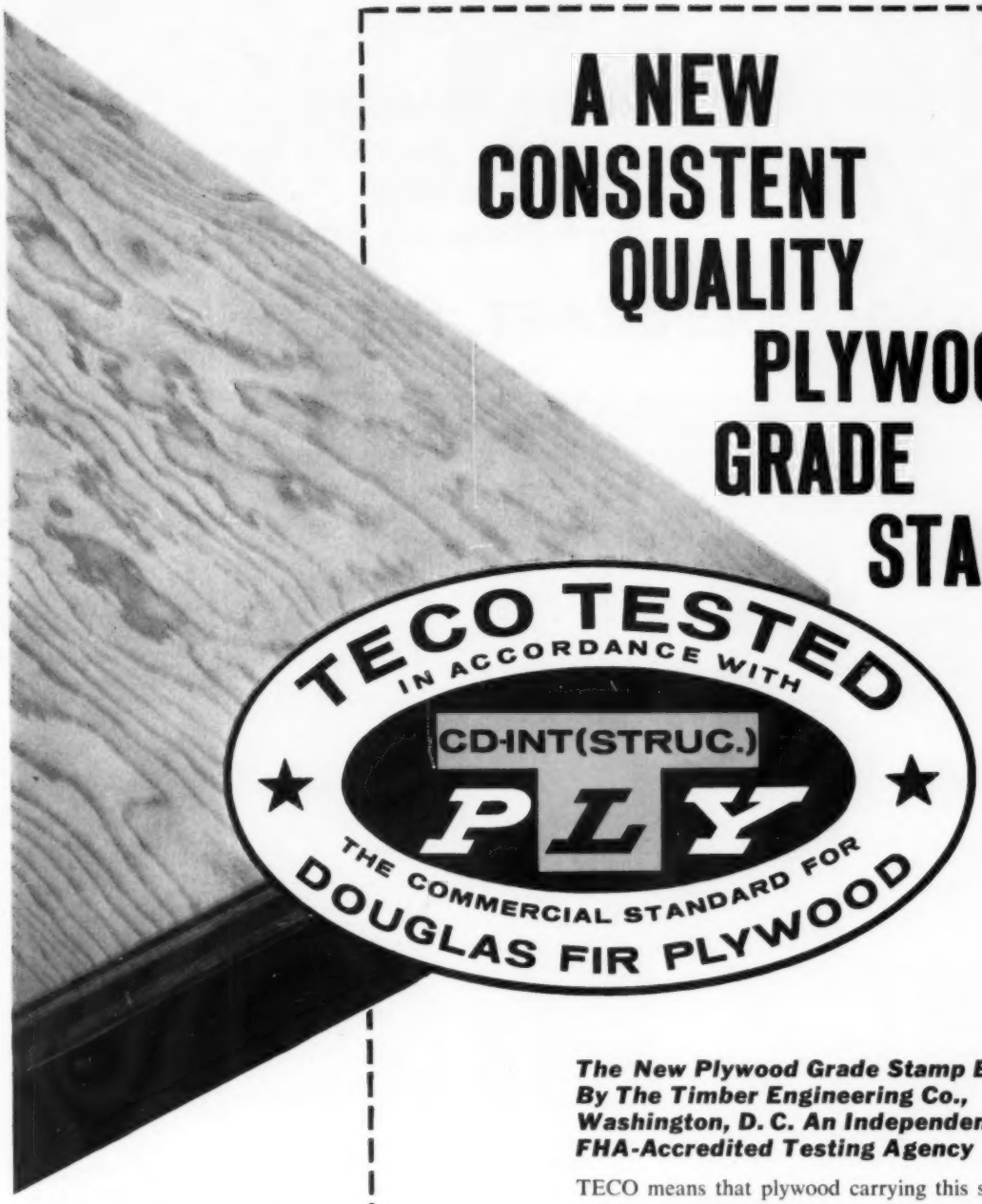


MEIKI PRESS WORKING AT
"THE PACIFIC COAST CO.," U.S.A.

MEIKI

MEIKI CO., LTD.

HYDRAULIC DEPT.
1, 2-chome, Shioiri-cho, Mizuho-ku,
Nagoya, Japan
Cable : MEIKILTD



A NEW CONSISTENT QUALITY PLYWOOD GRADE STAMP

TECO TESTED
IN ACCORDANCE WITH
CD-INT(STRUC.)
PLY
THE COMMERCIAL STANDARD FOR
DOUGLAS FIR PLYWOOD

The New Plywood Grade Stamp Backed By The Timber Engineering Co., Washington, D. C. An Independent FHA-Accredited Testing Agency

TECO means that plywood carrying this stamp has undergone production line inspection and testing by a technician employed by the Timber Engineering Company. This technician is on duty every day watching and checking every step of the manufacturing process. He knows what goes between the two outer plys—the core material, the kind and type of glue, patching, in fact the whole operation from log to finished product. Only when plywood meets TECO's rigid requirements is it given the TECO grade stamp approval. This is why you can always depend on a consistent supply of superior quality plywood when you insist on TECO.

Some of your best sources of TECO TESTED plywood are:

WILLAMETTE VALLEY LUMBER COMPANY
WILLAMETTE NATIONAL LUMBER COMPANY
Dallas, Oregon, Phone MAyfair 3-2351, TWX 80-U

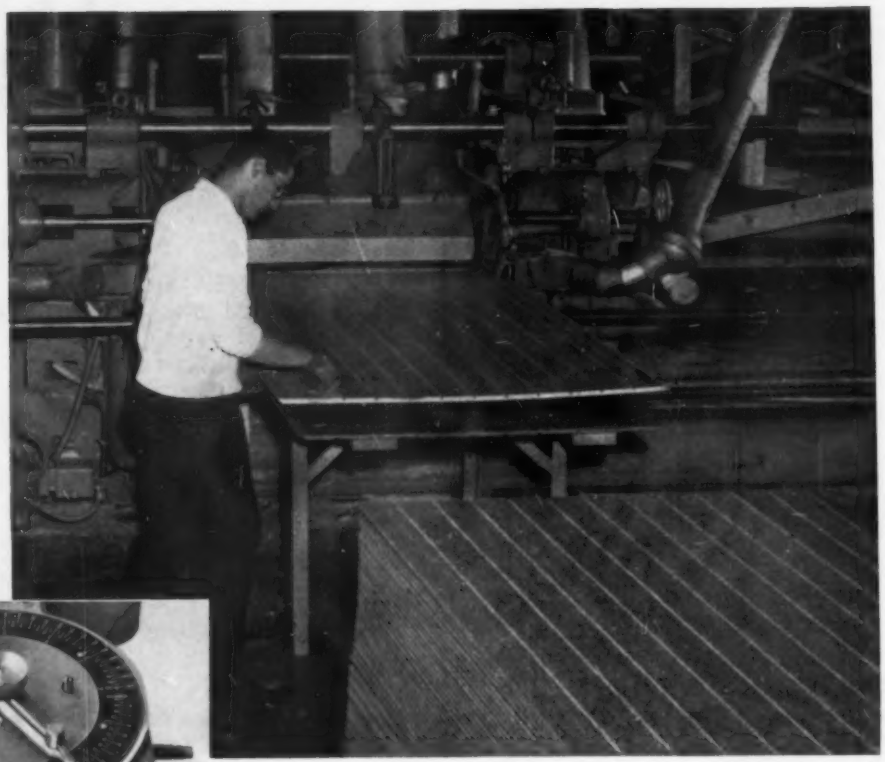
WESTERN VENEER & PLYWOOD COMPANY
Lebanon, Oregon, Phone ALpine 8-3134, TWX 485-U

SANTIAM LUMBER COMPANY
Sweet Home, Oregon, Phone EMpire 7-2121, TWX 315-U

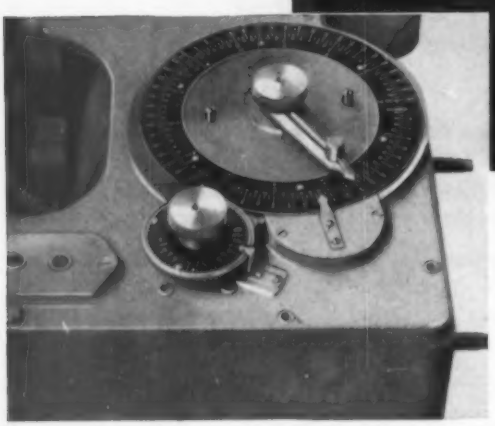
Versatile

GREENLEE No. 545 Specialty Machine Cuts Timblend and Plywood Specialties

at RODDISCRAFT, INC. ARCATA, CALIFORNIA



Column adjustments are power operated and easily made. The *precise* distance between cutters is shown on the two dials below. The large one shows settings in feet and inches . . . the smaller one in sixty-fourths.



Trimming Timblend . . . splitting plywood . . . running Texture 1-11 and other grooved patterns . . . scarfing . . . edge-shaping . . . it's all in the day's work for this Greenlee No. 545. Here, more than 300 4′ x 8′ Texture 1-11 panels are machined each hour. Greenlee's arrangement of steady-bearings and hold-downs enables mounting grooving cutters on 2″ as well as 4″ centers. Investigate the versatile Greenlee Double-End Machines.

WOODWORKING MACHINERY MANUFACTURERS' ASSOCIATION WMMA

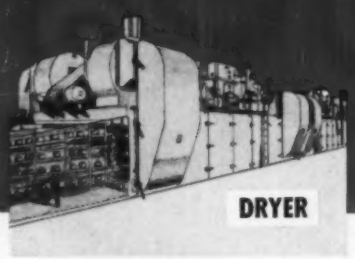
GREENLEE BROS. & CO.

1709 TWENTY-FIRST AVE.
ROCKFORD, ILL.

Eliminate Expensive Downtime!
...Install GRAPHALLOY BUSHINGS!

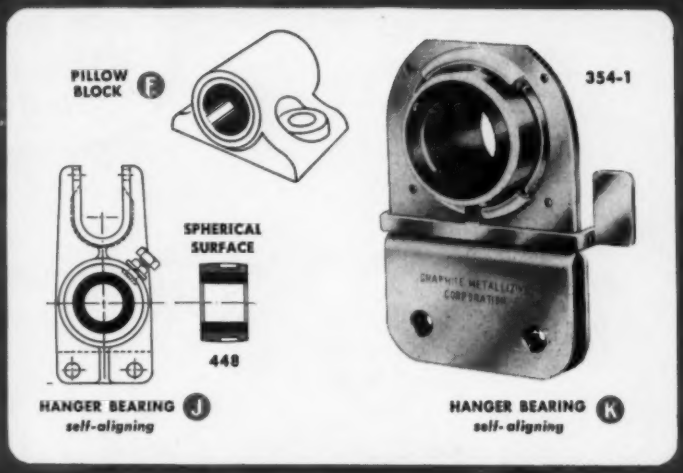
NORMAL LIFE 5 to 10 YEARS!

Self-lubricating! Contain no oil! Require no attention!



DRYER

REFUSE BURNER



OPERATE DRY to Temperatures of 750°F. in AIR

(Higher temperatures in inert atmospheres)

GRAPHALLOY BUSHINGS cut maintenance costs these many ways: Have long life • Require no attention • Operate where oil or grease lubrication cannot be used Avoid downtime • Operate submerged in water and most acids • Unaffected by low temperatures • Do not soften . . . withstand high temperature (750°F.) as in dryers, ovens, refuse burner conveyors, and in rotary steam joints.

SOME CASE HISTORIES:

BOARD DRYERS —Copper-GRAPHALLOY General Purpose Hanger Assembly 354-1 was designed especially for roller-type board dryers. Copper-GRAPHALLOY is used primarily because of its long life . . . eliminating shut-downs for greasing and maintenance. Astonishing savings in avoiding loss of production have resulted from the installation of these self-aligning hanger assemblies in place of ball bearings since Copper-GRAPHALLOY Bushings have a normal life in this service of *five to ten years* without replacement. See our Data Sheet 354.

VENEER DRYERS — Copper-GRAPHALLOY Bushing Assembly 448, which is self-aligning, was designed especially for the usual veneer dryer bearing. It replaces the present grease-lubricated roller . . . *and eliminates shut-downs for greasing.* These Copper-GRAPHALLOY Bushings have run continuously *24 hours per day seven days per week for ten years without any down-time.* See our D.S. 448.

REFUSE BURNERS — Copper-GRAPHALLOY Bushings, for refuse burner conveyor bearings and pillow blocks at the hot end of the conveyor, have been in operation *five to seven years* without replacement and without attention. See our D.S. 478.

Use GRAPHALLOY BUSHINGS for TROUBLE-FREE OPERATION in

DRYERS (Particle, hard, insulation or paper board dryers) • PLYWOOD DRYERS • GLUERS • VENEER DRYERS • KILNS • KILN CARS • IMPREGNATING KILNS • PATCHERS • HOT PRESSES • REFUSE BURNER CONVEYORS • CHAIN IDLERS • SUBMERGED BUSHINGS IN LOG HAULS.

GRAPHALLOY®

For full information write,
Graphite Metallizing Corporation
Nepperhan Avenue
Yonkers, New York

USE OUR 44 YEARS OF BEARING EXPERIENCE!

GRAPHITE METALLIZING CORPORATION
1075 Nepperhan Avenue • Yonkers, New York

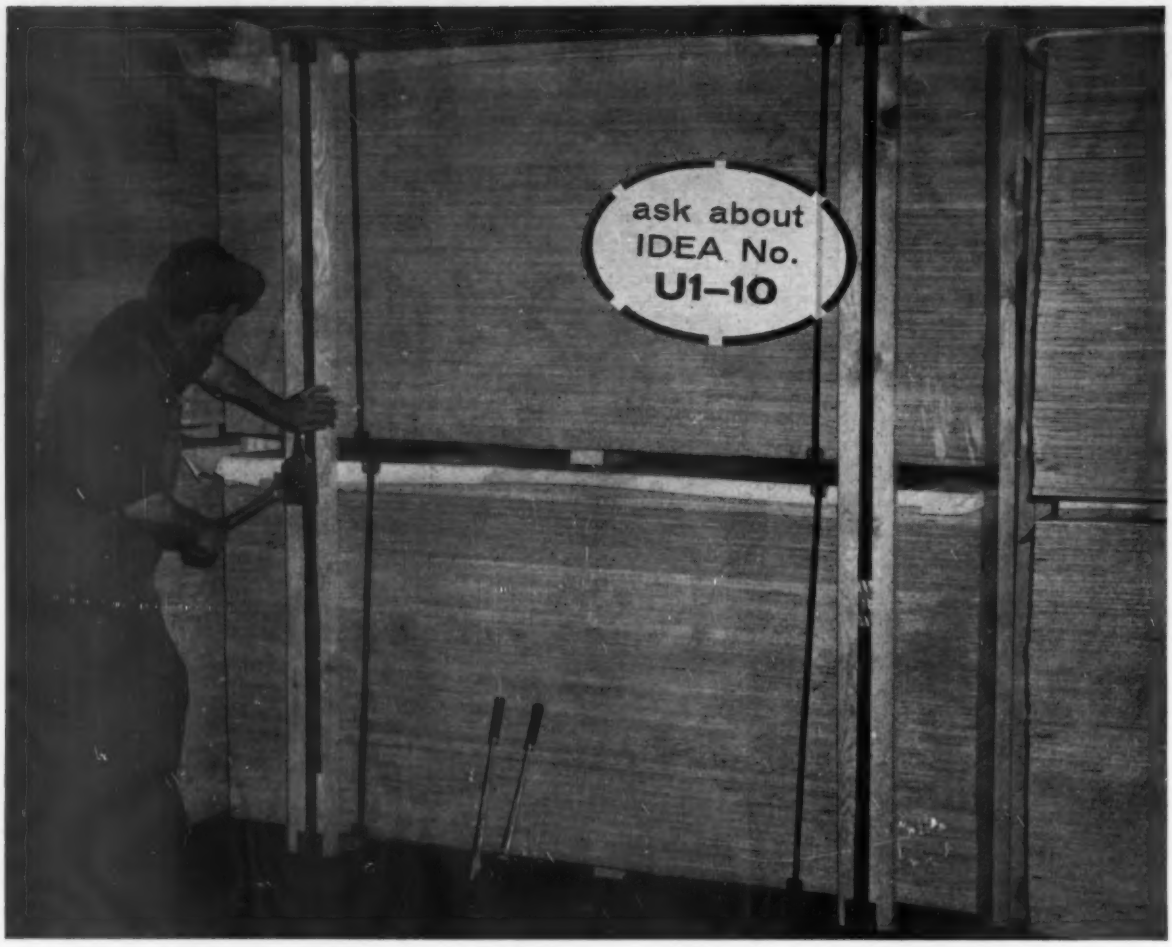
Please send me descriptive literature and Bushing Inquiry Form 107A.

NAME AND TITLE

COMPANY

ADDRESS

CITY ZONE STATE



Work with your AIM*. . . Potlatch Forests does . . .

Acme Steel Strapping unitizes, braces plywood

POTLATCH FORESTS, INC., Plywood Department, Lewiston, Idaho, uses Acme Steel Strapping for unitizing and car bracing quality plywood so it stays in top-grade condition from mill to receiver. (Idea No. U1-10)

Acme Idea Man Don Hughes helped Potlatch Forests solve its plywood packaging and shipping problems.

Potlatch Forests cuts carloading time, eliminates damage to loose panels on top of the load, stops shuffling of plywood during transit. Plywood is in neat, square packages, ready for fast unloading and efficient storage with mechanical handling equipment. Arrival condition of the load is as good as when it left the mill—no downgrading of panels due to damage received in transit.

***Work with your Acme Idea Man** and make sure you're getting the best ideas for packaging and shipping your products. Write Dept. LBU-129, Acme Steel Products Division, Acme Steel Company, 1025 Sixth Avenue South, Seattle 4, Washington. Also Portland, Oregon.

ACME STEEL **STEEL STRAPPING**

Quality
IS OUR
PRINCIPAL INGREDIENT

Strict adherence to quality standards has been a continuing Coe policy.

This policy has resulted in customer satisfaction and a steadily increasing volume of business.

Contributing factors have been:

Quality in design and the selection of high grade components.

Quality in the most precise machining of all parts.

Quality in thorough pre-testing of finished machines.

Quality in installation of units under the personal supervision of Coe engineers.

These practices assure consistently high production with low maintenance costs—factors which combine to make Coe Quality machines—the most profitable investments for "the long run".

COE

LATHES

CLIPPERS

DRYERS

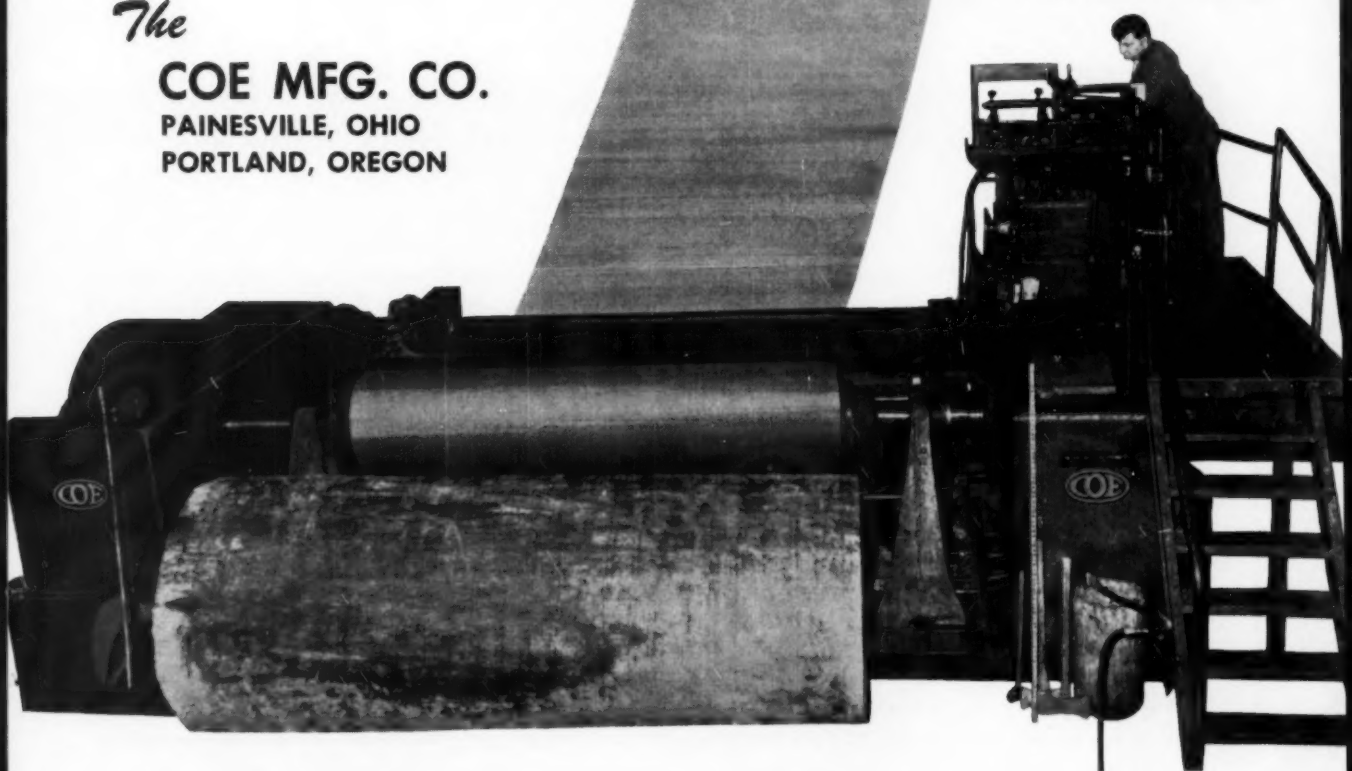
KNIFE GRINDERS

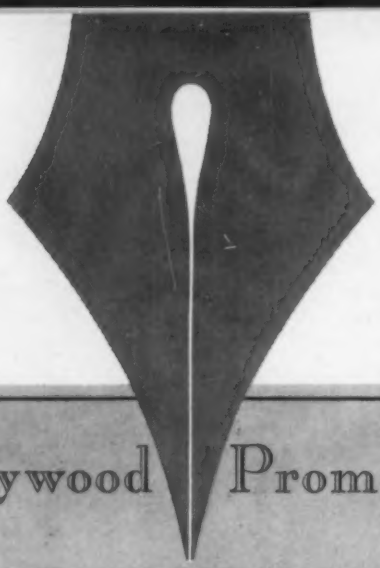
The

COE MFG. CO.

PAINESVILLE, OHIO

PORTLAND, OREGON





Fir Plywood Promotion and Research

PERIOD: 1938 through 1959

AMOUNT: #32,465,580 AND 00 CTS

RESULTS PAYABLE TO: THE BUILDING INDUSTRY

DOUGLAS FIR PLYWOOD ASSOCIATION

Q. Who signs the check?

A. The plywood manufacturers

The phenomenal growth of fir plywood construction – its nation-wide acceptance among families who buy your homes, code officials and lending agencies – is a direct result of the research and promotion programs financed by the manufacturers of DFPA-quality trademarked plywood.

In the past 21 years, they have invested over $27 Million to back *your* selling . . . improve product quality . . . pioneer new products and building techniques. This year, another $5 Million is being spent to support you with:

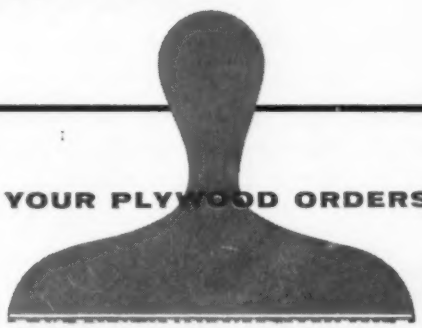
- **NATIONAL ADVERTISING** . . . to pre-sell the families who buy the homes you build
- **FHA and BUILDING CODE WORK** . . . to solidify acceptance of plywood construction
- **RESEARCH and ENGINEERING** . . . to help you build better for less
- **QUALITY CONTROL and TRADEMARKING** . . . to assure dependable plywood quality

Insist that all plywood you buy bears the DFPA trademark. Assure continuation and expansion of the programs which back *you* with consistent quality *and* consistent promotion.

DFPA®
TESTED QUALITY

who use this trademark!

ARE YOU USING THIS STAMP ON ALL YOUR PLYWOOD ORDERS?



If not, send for your free stamp today.

It's the best way to make sure you are getting good plywood, manufactured by one of the more than 110 reliable mills* who think enough of your business to give you quality plywood . . . and back it with promotion and research needed to help you use it properly and profitably.

* Producing 90 per cent of all Douglas fir and Western softwood plywood.

All softwood plywood on this order must bear DFPA GRADE TRADEMARKS legibly applied to each panel.

DOUGLAS FIR PLYWOOD ASSOCIATION, TACOMA 2, WASHINGTON

Our three-point program for

BEST UTILIZATION OF AMERICA'S TIMBERLANDS

1. **Good management of our forests – by the most advanced tree-farming methods**

2. **Product research to utilize to the fullest the timber we cut**

3. **Modern marketing and sales management to balance the demand for products against materials supply – so that "nothing goes to waste"**

A simple program — simply stated, — but it requires vast investments in skilled manpower, lumbering facilities, forest management, research and development laboratories, and modern plants. And — to get the most effective distribution — widespread modern warehousing and sales operation to be sure that our forest products reach markets in every part of the country.

United States Plywood Corporation — 40 years old, in 1959 — is in business for the future as well as the present.

That is why you will find throughout our organization a dedication to those efforts which will make for the BEST UTILIZATION OF AMERICA'S TIMBERLANDS.

United States Plywood Corporation

55 W. 44th Street, New York 36, N. Y.

Like Great Rivers...

RELIABLE SOURCES GIVE A CONSTANT DEPENDABLE FLOW OF RAW MATERIALS

AMERICAN-MARIETTA buys raw materials from the most reliable sources in order to procure greatest value from highly specialized competing suppliers. Included in this value are best performance, most dependable service, and latest technological improvements.

American-Marietta is not inhibited by large financial investments in sources of basic raw materials which stifle the scope and progress of research for new and better products.

Rather, we invest substantially in research facilities, programs, and services with sincere faith that this will return the greatest benefit to our customers – future profitable growth.

AMERICAN-MARIETTA COMPANY

ADHESIVE, RESIN & CHEMICAL DIVISION

SEATTLE, WASHINGTON · NEWARK, OHIO

A-M

ADHESIVES & RESINS FOR | PLYWOOD, WET STRENGTH PAPER, CORRUGATED CONTAINERS, PULP MOLDINGS, COMPOSITION BOARDS, MINERAL WOOL, FOUNDRY CORES & SHELL MOLDS

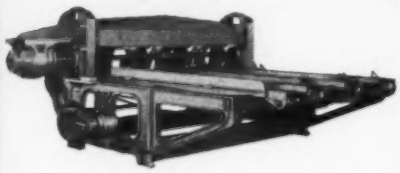
Our Research Today for Your Progress Tomorrow

Got a production problem? Costs too high? Eliminate wasted motions and material. Investigate Mereen-Johnson's complete line of commercial woodworking machines—profit-engineered to perform your most complicated operations with smooth speed and micrometric accuracy.

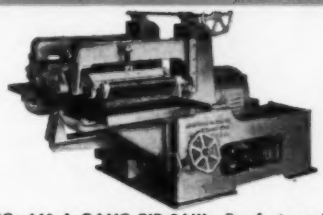
In plants of all sizes from coast to coast you'll find M-J machines producing profitably, doing better work—faster! A word from you will bring detailed, illustrated bulletins from Mereen-Johnson, your headquarters for *"Profit-Engineered Products For Woodworking."* Write us right away!

for wood

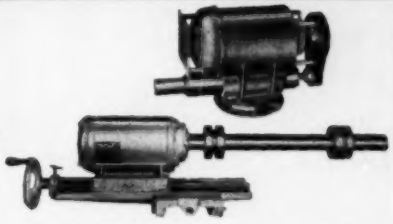
MEREEN-JOHNSON WOODWORKING MACHINERY



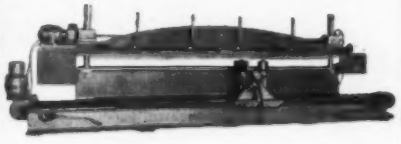
NO. 435-H MULTIPLE CUT-OFF SAW—Cuts long boards into short pieces . . . will square-cut large size sheets . . . and will cut any number of grooves. Excellent for sizing plywood. *Described in Bulletin No. 435-H.*



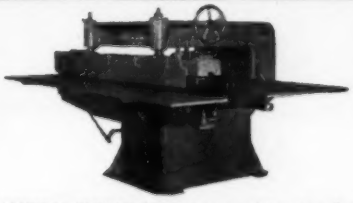
NO. 441-A GANG RIP SAW—For fast production on difficult gang ripping jobs. Eight power driven feed rolls . . . 12", 19", or 24" saw space. Up to 150 HP. Variable feed drive up to 300 ft. per minute. Glue joint accuracy. *Described in Bulletin No. 441-A.*



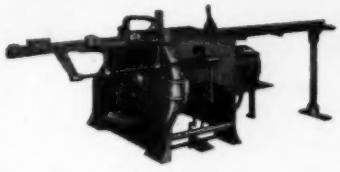
SAW MOTORS—Motors for special applications 3600 RPM or patented offset high speed spindle as illustrated. Unusual shaft extensions open or TEFC 1 to 25 HP. Also mounting slides, etc.



VENEER JOINTER—Traveling head principle eliminates shifting. Perfectly joints bundles of veneer up to four inches thick. Sizes from 90" to 212". *Described in Jointer Bulletin.*



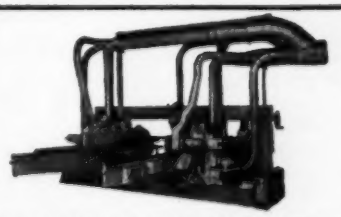
VENEER SPLICER—Makes precision tapeless joints. Adjusts automatically for varying thickness of veneer normally fed through machine. Welded steel frame with 49"-throat clearance at right. *Described in Bulletin No. 50.*



NO. 477 CUT-OFF SAW—Capacity equals two or three swing, straight line or roller carriage cut-off saws—depending on type and condition of stock used. An excellent machine for box work. *Described in Bulletin No. 477.*

NO. 442-MT COMBINATION SAW—A versatile machine for ripping, cross-cutting, grooving, dadoing, beveling and mitering. Cuts up to 48" wide and rips up to 50" wide. Handles large stock easily. *Described in Bulletin No. 442-MT.*

NO. 600 DOUBLE CUT-OFF SAW—Accurate production at high rates of feed. Labor saving attachments such as cope motors, dado arbors and other equipment are available for specific needs. Larger sizes available. *Described in Bulletin No. 600.*



NO. 400 DOUBLE-END TENONER—Sizes up to 20' to fit your requirements. Will square-cut up to 96" ahead of trim saws. Numerous accessories are available to multiply its usefulness. *Described in Bulletin No. 400.*

Write for illustrated bulletins

Mereen-Johnson **MACHINE CO.**

4401 LYNDALE AVENUE NORTH • MINNEAPOLIS 12, MINN.

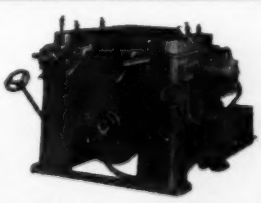
Please send bulletin number _____

Firm Name: _____

Address: _____

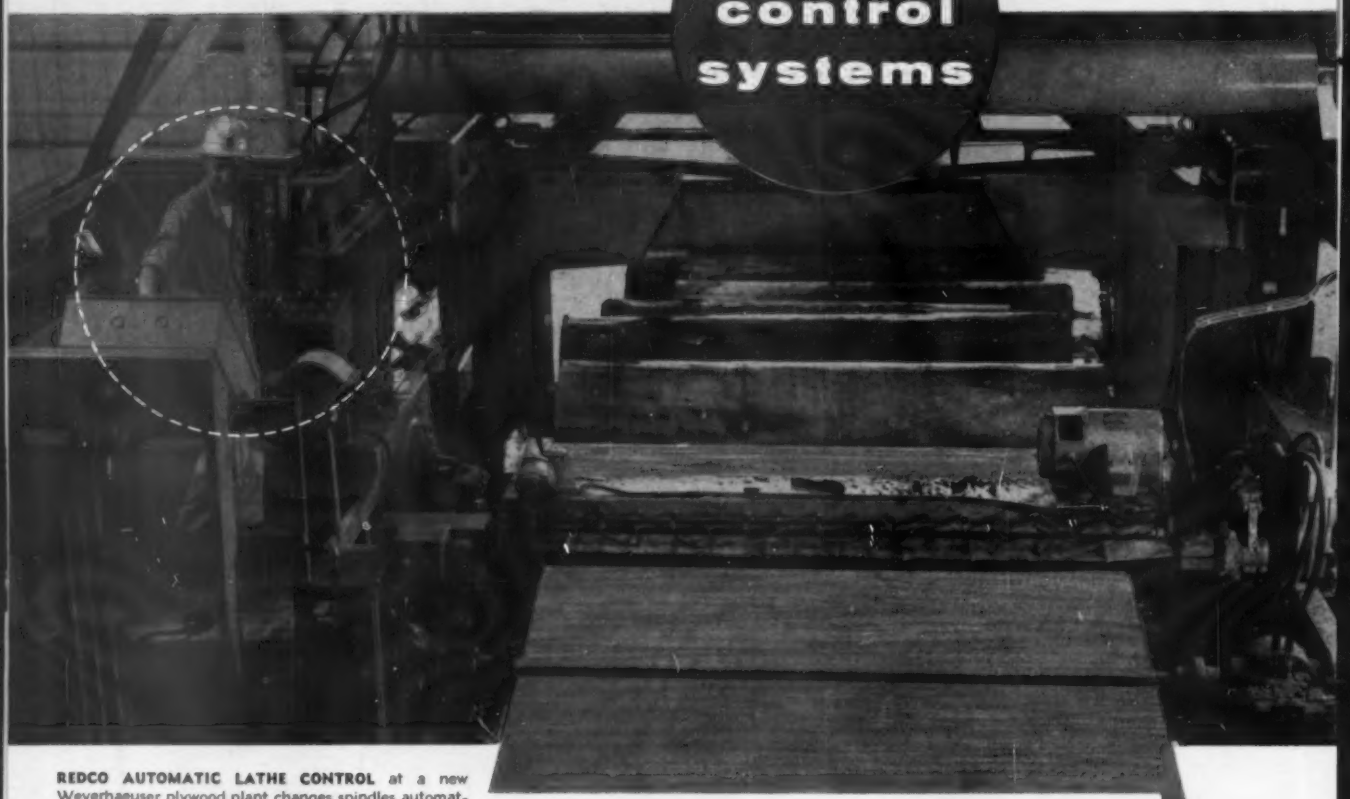
_____

Your Name: _____



NO. 326 MATCHER-JOINTER—For sash and door, furniture and box factories—as well as for many special uses. Adaptable for jointing hogshead staves. Unequaled for "T" and "G" work. *Described in Bulletin No. 326.*

Production Savings in Plywood begin with redco control systems



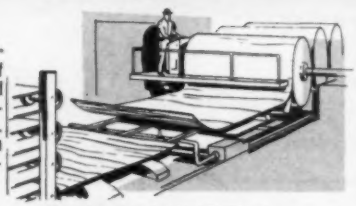
REDCO AUTOMATIC LATHE CONTROL at a new Weyerhaeuser plywood plant changes spindles automatically permitting uninterrupted peeling of both large and small logs down to a 5" core.

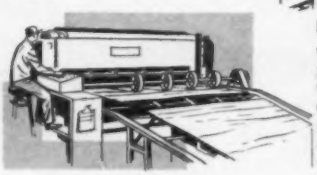
Put your finger on a control system designed and built expressly to increase plant efficiency and slash operating costs. Automatic controls by Redco eliminate costly time lags due to human error. Related equipment in the production cycle operates at optimum capacity, turning out more plywood of better quality with less break up. In labor savings alone, the payoff period on Redco equipment is often less than a year.

Typical Redco installations are normally completed over a week end with no interruption of operation. In most instances, the major part of existing equipment can be used in making the conversion.

Let Redco check over your operation and show you how you can bring your plywood production problems under control efficiently and effectively.

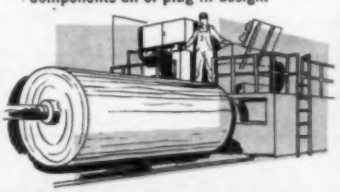
REDCO AUTOMATIC TRAY CONTROLS assure better handling of veneer with improved recovery and reduced breakage. Labor savings average $5,000 per man saved per shift. Troublesome training and break-in periods on tipple operation are eliminated.





REDCO CLIPPER TIMER—New vastly improved electronic clipper timer permits variable speed operation. Timer will clip precisely at any speed. Special control adjustment equalizes the alternate strokes of the knife. All electric eyes and limit switches eliminated. Components all of plug-in design.

REDCO ELECTRIC LATHE DRIVE provides easy positive control for instant stopping. Operator fatigue is greatly reduced. Power costs average less than 80 cents per hour. Week end change over on any standard lathe. Rugged simplicity of control system reduces downtime to a minimum.



redco

Republic ELECTRIC & DEVELOPMENT CO.

2627 WESTERN AVENUE — SEATTLE 1, WASHINGTON

Redco Engineered Equipment for the Forest Products Industry

MEMORY SYSTEMS
EDGER FEEDS
SET WORKS CONTROLS
LOG CARRIAGE DRIVES
REMOTE EDGER and RESAW CONTROLS
LOG BARKER DRIVES

Evans, Vancouver Ply Plan Joint Venture

The new $2.5 million plywood plant announced for Missoula, Mont., will be operated by Van-Evan Co., a joint venture of Evans Products Co., Plymouth, Mich., and Vancouver Plywood Co., Vancouver, Wash.

Major officers are Frost Snyder, president of Vancouver Plywood, president and Edward S. Evans, executive vice-president.

The plant is expected to produce 5 to 6 million square feet of plywood a month. "Initially, the new plant will produce plywood, but utilization of timber in the Missoula area for additional wood products is part of Van-Evan's plans," said Mr. Evans.

•

Montana Plywood Plant Improvement Scheduled

Cascades Plywood Corp. will spend about $1.5 million to improve production at Polson Plywood Co., Polson, Mont. The plant was recently purchased by Cascades. Improvements will include a new lathe, back-roll bar, charger, clipper, patching machines and other mechanized equipment. Cascades officials say they also hope to add a new dryer, boiler and steam equipment.

•

Teco Grade Marking Gaining in Use

Softwood plywood production now carrying the Timber Engineering Co. grade mark totals about 60 million square feet, ⅜-inch basis, per month, according to William H. Scheick, vice-president and director of research and development for Teco.

Mr. Scheick, speaking in Portland, Ore., said the Teco grade stamp is finding increase acceptance by major building codes and by federal housing lending agencies.

Oregon companies using the grade mark include Willamette National Lumber Co., Foster; Western Veneer & Plywood Co., Lebanon; Willamette Valley Lumber Co., Dallas; Santiam Lumber Co., Sweet Home; Dwyer Lumber Co., Portland; Structural Laminates, Beaverton; Natron Plywood Co., Springfield; Custom Plywood Corp., Grants Pass.

Fortuna Veneer, Inc., Fortuna, Calif., is also using the stamp.

•

DFPA Membership Grows

Membership of Douglas Fir Plywood Association climbed to 127 in October with the addition of Stimson Lumber Co., Forest Grove, Ore., and Hult Plywood Co., Junction City, Ore.

CHEMICAL PROCESS COMPANY®

...SERVES THE PLYWOOD INDUSTRY

with...

Phenolic and Urea Resin Adhesives

Hot- and Cold-Press Blood Glues

PLYWOOD PLANTS ARE ASSURED OF...

The latest developments in adhesive technology

Adhesive strengths meeting the highest standards of testing and performance

Experienced service men

Immediate shipment

Adhesives for the Forest Products Industry

Developers and Manufacturers of Industrial Resins in the West since 1939

CHEMICAL PROCESS COMPANY

Tacoma, Washington • Redwood City, California

MOBIL

Amazing how hard some people work to get where they're going. They flounder in a haze, a daze or a maze! The smart operator knows the shortest distance to more profits is simply to steer clear of dead-enders like accidents, costly repairs, high insurance premiums and other operational pitfalls. If you feel like your fleet is caught up in a maze-break out! Put your drivers on a fresh course...a special 3 or 6 session training course for fleet drivers and mechanics now being offered through MOBIL representatives. The course is designed to teach your drivers and mechanics how to avoid costly errors in safety and equipment upkeep. In short, it will take them out of the maze and head them in the direction of fewer accidents, fewer overhauls, and lower insurance rates. And that adds up to lower operating costs for you. Your MOBIL fleet representative has the details, talk to him. General Petroleum Corporation, 612 S. Flower St., Los Angeles 54, California • Serving the West with Mobilgas, Mobiloil, Mobilfuel Diesel and Mobil Lubricants.

Mobil

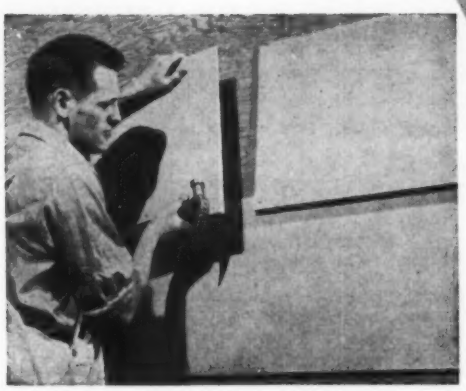
WALTON

EverSide

CREZON RESIN FIBER OVERLAY

BEVELED SIDING

PATENTED IN
USA #2835932
CANADA #544389



WASHINGTON'S Finest . . . . . Here's why . . .

"WALTON EVERSIDE" is real wood with a super paintable Crezon overlay.

It has the warm, vibrant beauty of wood; with the extra strength of cross-lamination which eliminates end or width traveling which is common in most competitive types of sidings. It has passed exacting laboratory tests which proves its high quality, rigidity and durability.

Now available with conventional or self-aligning butt.

Pre-cut mill primed and beveled. No wedges or furring strips required.

Surface is weatherproof resin-impregnated fiber permanently bonded to Exterior-type plywood.

Plywood is Exterior construction, made of selected plys to assure uniformity and strength.

Saves money on labor costs because it is easy to apply, covers large areas quickly and is quick and easy to paint.

Surface provides uniform "tooth" . . . holds paint longer than untreated wood. Surface will not split nor sliver, and it resists hard wear and abrasion. No splitting when nailed.

Easy to work with, using ordinary tools.

Packed in carton for protection, for ease of handling, for easy storing. Quantity and sizes plainly marked on end of each carton.

FOR ADDITIONAL INFORMATION, SEE

Western Sales

WASHINGTON Plywood Co.

P.O. Box 746
Everett, Washington

Phone ALpine 9-5131
R. N. Stormo, sales manager
Ted Goodson, general manager

Eastern Sales

WILLIAMS Plywood Co.

644 East 38th St., Suite 205
Indianapolis 5, Indiana

Phone WAlnut 5-9214
J. M. & C. W. Williams

other . . . WASHINGTON

Quality Plywood Products

"MAVERICK"
It's New! It's from the West! Western Poplar Paneling—V-Grooved or Plain. Its rugged beauty has great appeal.

EVERRITE
Interior & Exterior—All lengths, thicknesses and grades.

EVERFORM
Kimpreg overlaid concrete form panels.

EVERUSE
Kimpreg overlaid panels for industrial use.

EVERLAST
Paint grade panels. Crezon faced.

Quality is our main suit

Nothing is left to chance at The Lane Plywood plant. The quality of wood is under constant control so that each finished plywood panel meets the highest standard of quality. Every panel is carefully examined by a corps of men dedicated to customers who expect top-quality interior and exterior fir plywood.

Remember . . . our main suit is quality interior & exterior Douglas Fir Plywood

LP LANE PLYWOOD inc

RT. 5 BOX 28 PHONE DI 4-4289 TWX: EG 3052 EUGENE, OREGON

Borden

plywood adhesives service is only a phone call away

Wherever you are in the West, get service *fast* when you phone your nearest Borden representative for adhesives. Tank car, tank truck, or drums of resin are available on short notice, serviced by experienced men located near *you* for *your* convenience.

This quick and handy service is backed by Borden's 25 years of manufacturing knowledge in "tailoring" adhesives to fit your needs.

Phone your nearest Borden representative or write The Borden Chemical Company, 6010 Airport Way, Seattle 8, Washington.

IF IT'S A *Borden* ©T.B.C *Chemical*

IT'S GOT TO BE GOOD

SEATTLE, WASH.
PArkway 2 3700

SPOKANE, WASH.
RIverside 7 7355

TACOMA, WASH.
FUlton 3 4293

SPRINGFIELD, ORE.
RIverside 7 3343

GRANTS PASS, ORE.
GReenwood 9 1088

NORTH BEND, ORE.
SKyline 9 6723

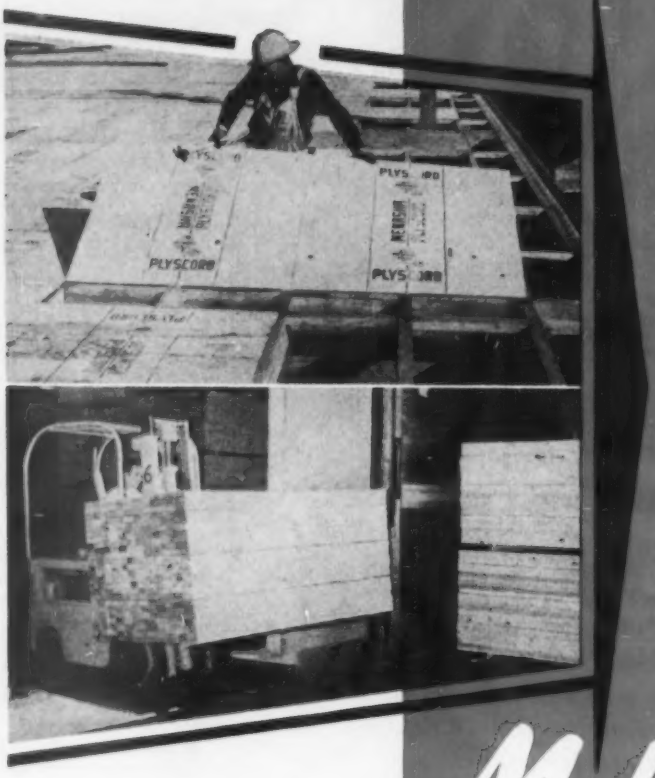
PORTLAND, ORE.
NEptune 6 5860

EUREKA, CALIF.
HIllside 2 1210

SAN FRANCISCO, CALIF.
VAlencia 6 5070

COMPTON, CALIF.
NEwmark 9 0423

L-99



WHEN YOU THINK OF JUMBO MARKED SHEATHING AND PACKAGED STUDS

Make it Menasha

Mixed car service from one reliable manufacturer on sheathing – studs – sanded plywood

Two fast moving building products for you from Menasha –

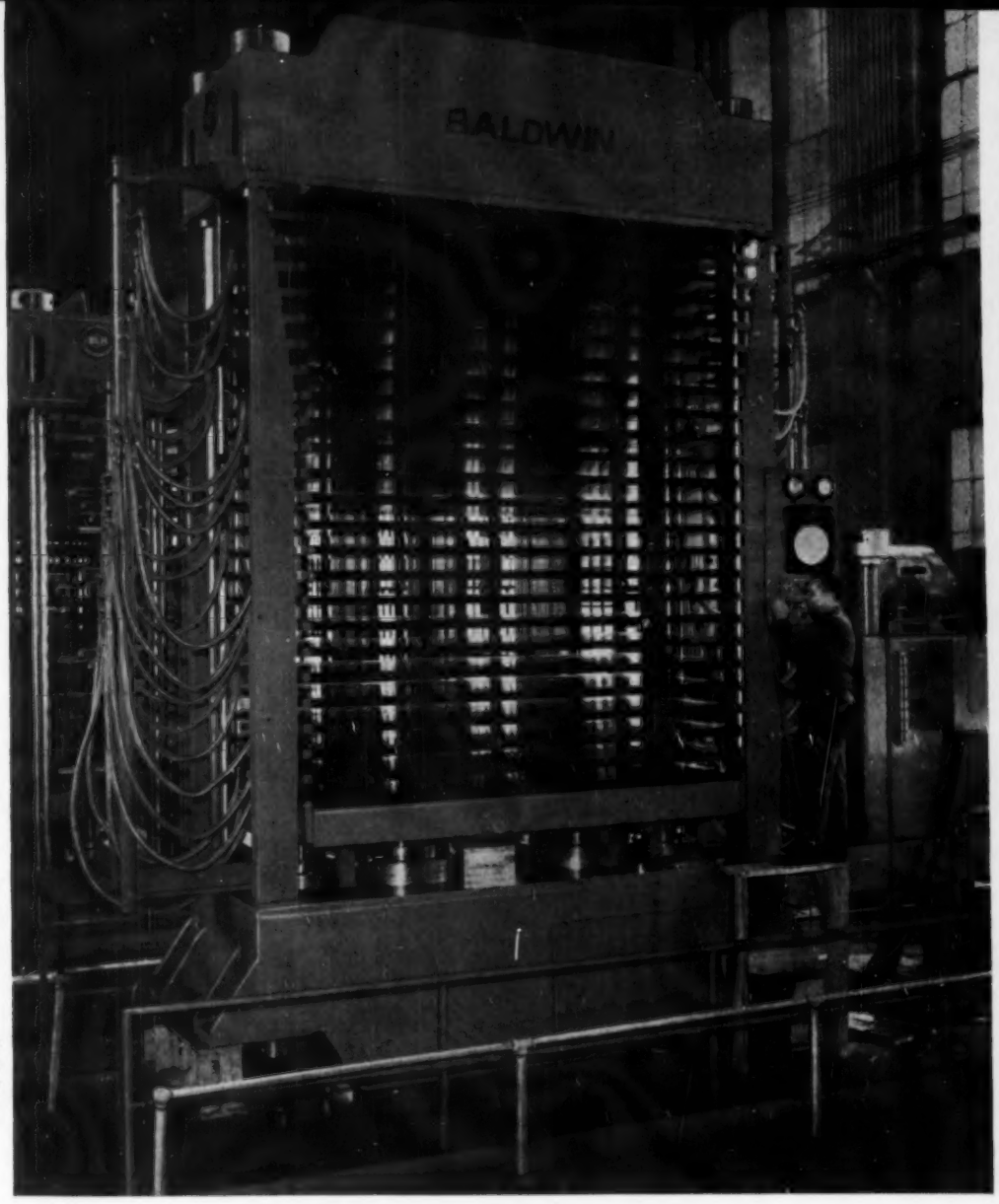
JUMBO MARKED SHEATHING. Builders like it because it cuts labor costs. Parallel lines across the 4' x 8' panels 16" and 24" on center makes nailing easier and faster. Double standard of quality – Menasha *and* DFPA. Menasha is the pioneer and leading manufacturer of jumbo marked sheathing.

PACKAGED STUDS. For ease in handling, Menasha packages green fir studs in strapped loads of 288 pieces; 12 pcs. wide, 24 pcs. high – 1536' BM per unit. Quality throughout – end wax sealed, anti-stain treated, precision trimmed, eased edges, WCLA inspected.

We welcome your inquiries on straight or mixed cars of sheathing – studs – sanded plywood.

Sales Agent:
Menasha Sales Corporation
P. O. Box 877, North Bend, Oregon
Telephone Skyline 9-2751
Teletype Coos Bay 65

MENASHA PLYWOOD
Division of Menasha Wooden Ware Corp., Menasha, Wis.
Quality Manufacturers of Interior and Exterior Plywood and Studs
NORTH BEND, OREGON



Operational checkout of Baldwin 570-ton steam platen press on assembly floor prior to shipment.

Baldwin high-speed plywood presses expand facilities of West Coast lumber mills

Ten new 4 x 8 ft. Baldwin hydraulic hotplate plywood presses —incorporating outstanding new features for high-speed, high-quality production—have recently been shipped to nine West Coast lumber companies, and nine more are in various stages of manufacture. This expansion program represents a joint venture on the part of these firms to meet the ever-increasing demand for top-quality resin bonded plywood. B-L-H's program of stocking components is geared to meet continued expansion with short delivery.

NEW FEATURES OF THESE BALDWIN PRESSES INCLUDE:

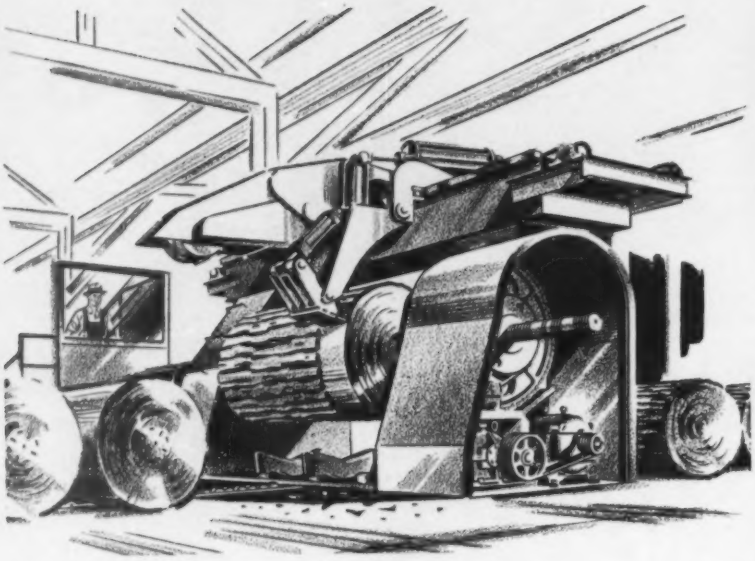
- **High-speed closing**
- **Precision controlled opening speed**
- **Uniform hotplate temperature**
- **New bull-nose leading edges to facilitate loading**
- **High-carbon steel plates for longer life**
- **Minimum maintenance costs through improved step hanger and guide bracket design**
- **New single pump circuit with fewer valves**

For full information on plywood, hardboard, particle board and other Baldwin and Hamilton presses, write to Dept. 21-M

Hamilton Division Hamilton, Ohio

BALDWIN · LIMA · HAMILTON

Diesel engines • Mechanical and hydraulic presses • Can making machinery • Machine tools & general machinery



Saves barking time on every peeler

The EDERER OVERHEAD BARKER is "job-engineered" to permit straight-line conveyor chain movement of peelers through completely clear floor area beneath machine. Peelers move up—are chucked—barked—move on through to lathe. Complete cycle, with average 36-inch diameter peeler, takes approximately 45 seconds!

Scraper removes ONLY the bark, assuring the most veneer from every peeler; handles peelers of almost any shape or contour. Rosser head routs off burls and unusable wood. The machine handles peelers from 110-inch to a minimum 12-inch diameter; can be built to handle peelers up to 135 inches long.

The barker is operated from one set of controls located wherever is convenient for operator. Conveyor chain control may be in same control station.

Floor-mounted barker is also available. Write for full information about both models.

Inquire about our complete line of overhead cranes. Write for industrial crane catalog, Bulletin CR-610 (revised).

EDERER *Plywood* EQUIPMENT

350V59

EDERER ENGINEERING COMPANY
2933 FIRST AVENUE SOUTH • SEATTLE 4, WASHINGTON
EXPORT DIVISION: 301 Clay Street, San Francisco 11, California

Since 1901 — "JOB-ENGINEERING" CRANES AND HEAVY EQUIPMENT

Oregon Veneer Plant Enters Production

Eugene Plywood Co.'s veneer plant at Glide, Ore., has started production, supplying the layup plant in Eugene. Additional work is still to be done at the Glide plant, including a core lathe.

The layup plant had bought veneer on the open market to produce its 60 million square feet a year. The Eugene plant has two dryers and two hot presses. The firm is headed by Hayden Hastings as president and general manager.

•

Oregon-Pacific Adds Importing Division

Oregon-Pacific Plywood Corp. of Portland has established a nation-wide Importing division.

The new division will handle plywood imports from all producing nations but with particular emphasis on Japan, the Philippines and Formosa, Douglas said.

Arlen W. Johnson, who will head the division, has had almost four years of experience in Japan and Korea. He comes to Oregon-Pacific Plywood from the Portland office of Nissho American corporation, a Japanese trading company. Previously, he was with the Portland Dock Commission.

Donald G. Almy is promoted to assistant sales manager heading Oregon-Pacific Plywood's eastern carload department. Almy was with Corvallis Plywood before joining Oregon-Pacific last year. Oliver was previously with Dant & Russell and also served as sales manager of a Portland saw chain equipment firm.

A new Northwest regional sales department will be headed by Bryan Arbuckle, who has been with Oregon-Pacific Plywood since 1956.

•

B. C. Merger Awaits Tree Farm Decision

Mount Baker Plywood Ltd., New Westminster, B.C., will be merged with Empire Mills, Ltd., Vancouver, B.C., and its plant moved to the Squamish district on Howe Sound if Empire is successful in retaining its tree farm in that area. A hearing is being conducted on the Tree Farm. It is opposed by MacMillan & Bloedel and some independent loggers.

•

Harbor Picks McCarthy

Gerald J. McCarthy, for nine years an executive with Umpqua Plywood Corp., has been elected executive vice-president of Harbor Plywood Corp., Aberdeen, Wash. Mr. McCarthy served Umpqua as vice-president and general manager.

Testing Plan Approved

Pittsburgh Testing Laboratory has received formal approval of its inspection and grading facilities for plywood from the International Conference of Building Officials, Los Angeles and the city and county of San Diego. The laboratory is providing inspection service for some fir plywood plants in the west.

•

New Glue Plant Due

Evergreen Chemical Co., recently established Oregon firm, plans erection of a glue plant in the Portland area. Output will go primarily to Multnomah Plywood Corp. and Astoria Plywood, major stockholders in the company. Jack H. Carroll, president and general manager of the plant, was formerly with Simpson Logging Co., and U. S. Plywood Corp. Production will be about 1 million pounds a month.

•

C-Z Buy Distributor

Crown Zellerbach Canada has purchased Plywood Supply Co., pioneer plywood distributors in Ontario and Quebec, with warehouses in Toronto, Waterloo and Montreal. Plywood Supply Co. was founded in 1932 and was the first company in Canada to specialize in plywood sales. Direction of the company will be under D. R. Schmidt, general manager of the Canadian Western Lumber division of Crown Zellerbach Canada. H. W. McCauley, who was president of Plywood Supply Co., continues as manager.

•

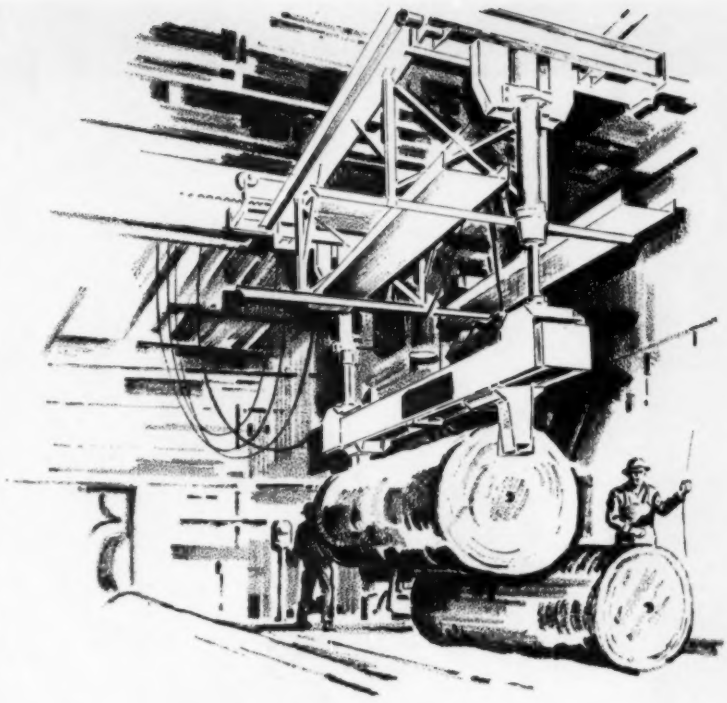
New Oregon Ply Plant

Stimson Lumber Co., Forest Grove, Ore., has started construction of the building to house its new plywood plant. The operation will be adjacent to the present lumber and veneer operations. The company says it will forego equipment orders until it completes tests on the possibility of drying veneer in lumber dry kilns.

•

Breitenbucher Appointed

Verne Breitenbucher has been appointed northwest district sales promotion manager of U. S. Plywood Corp.'s western division. Mr. Breitenbucher has been in the plywood and wood paneling field since 1948 when he joined M & M Woodworking Co., as a management consultant. He later served the company as vice-president and director of sales. More recent assignments were with Roddis Plywood Corp., Marshfield, Wis., as executive assistant to the vice-president and as president of Wallcrafters, Inc.



Saves lathe chucking time on every peeler

The EDERER OVERHEAD LATHE CHARGER is "job-engineered" to pick up a peeler—pre-center it to lathe chucks—and move it forward to exact chucking position. In a five-hour, clocked operation, average chucking time was only 18 seconds after peeler knife was retracted! In this same five-hour period, the charger handled 75 102-inch long peelers of average 36-inch diameter.

Equally efficient is the floor-mounted lathe charger, designed for use where overhead clearance is restricted.

Both overhead and floor-mounted chargers are hydraulically operated from one set of controls, located for the operator's convenience. With the two models to choose from, you can have a charger to fit your exact plant requirements. Either charger can be supplied in a simpler adaptation to load your barker, too.

Write for EDERER Lathe Charger Bulletin V-106.

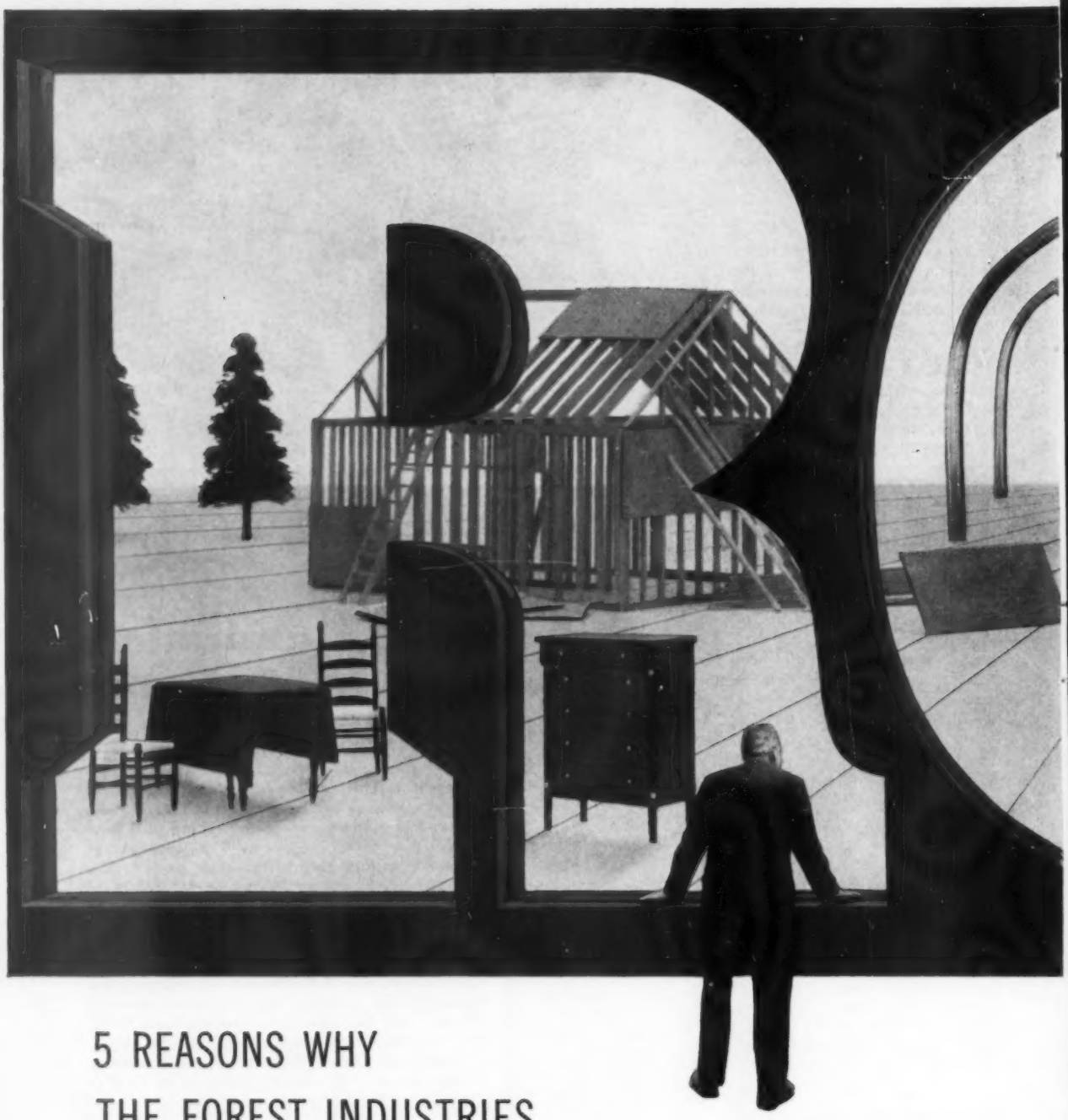
Inquire about our complete line of overhead cranes. Write for industrial crane catalog, Bulletin CR-610 (revised).

EDERER *Plywood* **EQUIPMENT**

349V59

EDERER ENGINEERING COMPANY
2933 FIRST AVENUE SOUTH • SEATTLE 4, WASHINGTON
EXPORT DIVISION: 301 Clay Street, San Francisco 11, California

Since 1901 — "JOB-ENGINEERING" CRANES AND HEAVY EQUIPMENT



5 REASONS WHY
THE FOREST INDUSTRIES

LOOK TO RCI FOR QUALITY ADHESIVES

Production is *more profitable* when you use *dependable* bonding agents . . . *more efficient* when you get fast, on-time delivery of the adhesives you need to meet plant schedules. That's why more and more manufacturers of forest products are finding it good business to do business with RCI. You, too, can share these benefits:

35 YEARS EXPERIENCE – RCI's long record of reliability is your assurance of quality – in products and in service.

UNIFORM QUALITY – Reichhold manufactures basic chemical materials as well as finished adhesives, guaranteeing quality control throughout production.

COMPLETE LINE AVAILABLE – RCI has fast-curing adhesive materials for every wood bonding application . . . urea-formaldehyde, phenol-formaldehyde, resorcinol and PVAc resins, soybean and casein glues.

FAST DELIVERIES – Reichhold plants across the nation enable RCI to make deliveries *when needed.*

TECHNICAL SERVICE – RCI's network of field offices is always available to help you with any technical information you may require.

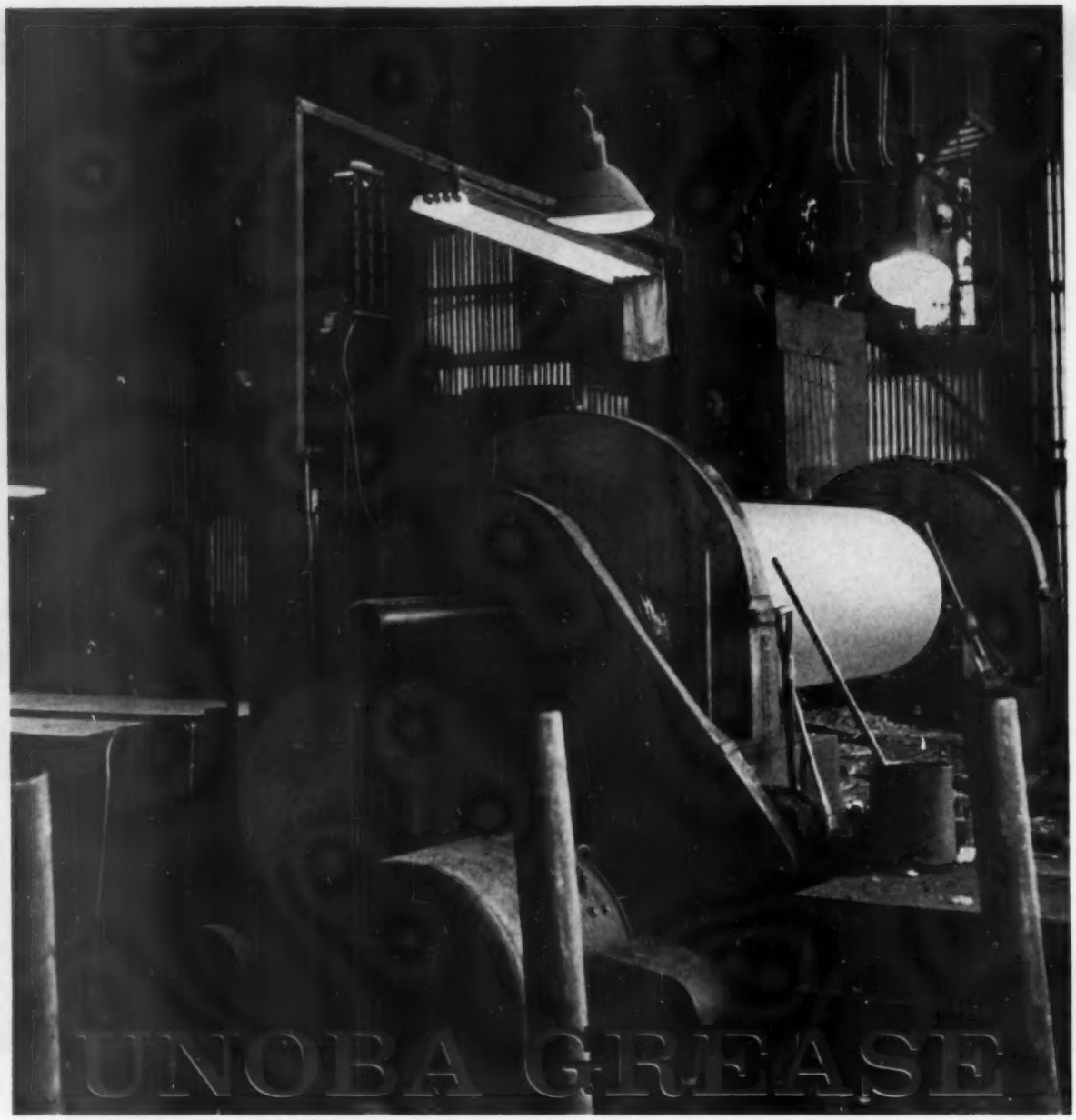
Creative Chemistry . . .
Your Partner
in Progress

RCI

REICHHOLD

REICHHOLD CHEMICALS, INC., RCI BUILDING, WHITE PLAINS, N. Y.

Synthetic Resins • Chemical Colors • Industrial Adhesives • Phenol • Hydrochloric Acid • Formaldehyde • Glycerine • Phthalic Anhydride • Maleic Anhydride
Pentachlorophenol • Sodium Pentachlorophenate • Sulfuric Acid • Methanol • Sebacic Acid • Ortho-Phenylphenol • Sodium Sulfite • Pentaerythritol



favored lubricant at Pacific Coast Co.

Wayne Calder, resident manager, Leggett Veneer Plant, Pacific Coast Co., Leggett, California. "Union's Unoba Grease has protected the bearings in our Merritt lathe for the past five years.

"Actually, we use Unoba in almost every bearing in the plant, including those on our electronic clipper, with equally good results. For a general purpose lubricant in veneer or plywood plants, I think you'll find Union Oil's Unoba hard to beat."

Mr. Calder is right. Unoba has earned an enviable record as *the* lubricant in the West's largest and most important plywood and veneer plants. A Union Oil engineer with specific answers to lubrication problems peculiar to the plywood and every western industry is as near as your phone. Call on his experience to help you.

UNION OIL COMPANY OF CALIFORNIA 76

Union Oil Center, Los Angeles 17, California, U.S.A.

Sweed leads the way . . .

FOR THE

LUMBER AND PLYWOOD INDUSTRIES

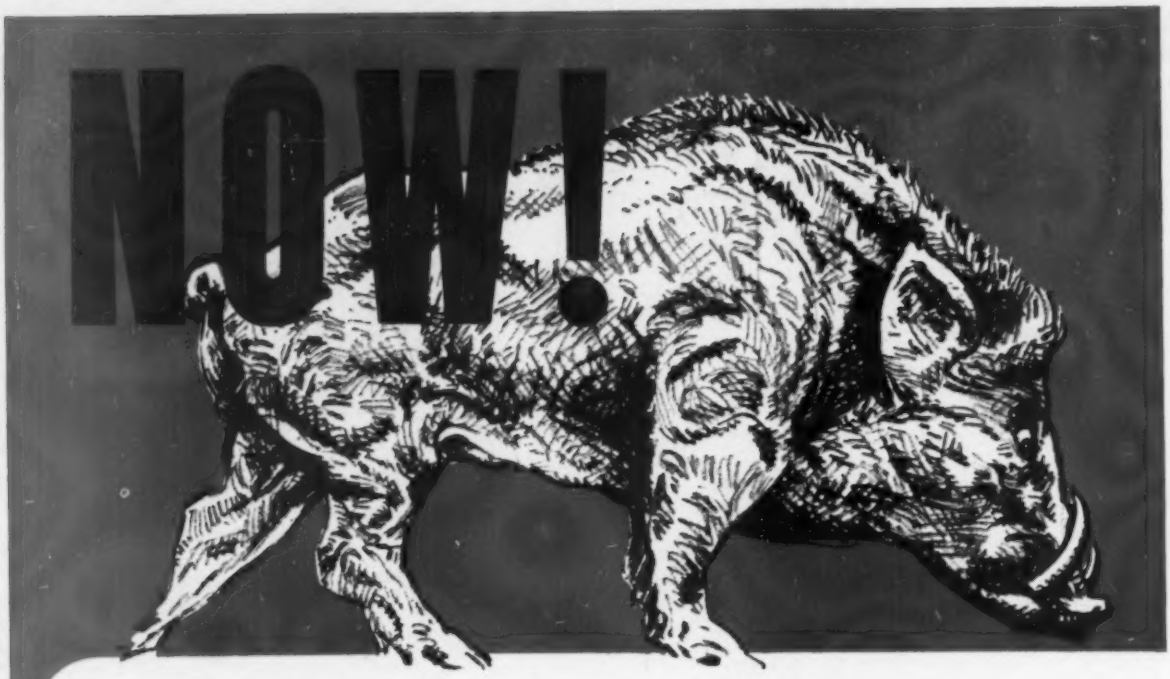
SPEED·FEED
. . . the cam activated feeder adaptable to any veneer dryer
VEN·COR
. . . the remarkable saw— for cutting veneer core stock
Sweed POWER HOIST
. . . the versatile scissor lift— for raising, lowering and conveying
SCRAP CHOPPER
. . . for cutting metal strap or wire into small pieces—
• ELIMINATES YOUR DISPOSAL PROBLEM.
Introducing . . .
Sweed Speed-Patch
. . . an integrated machine with automated sheet handling for PLYWOOD patching . . . including glue applicator and patch dispenser.

Write for Sweed brochures today . . .

Telephone Ulrick 5-1316
JEDDELOH BROTHERS
SWEED MILLS, INC.
Gold Hill, Oregon

●

Sales Representative
NATIONAL MACHINERY SALES INC.
Gold Hill, Oregon — Ulrick 5-1145
Portland, Oregon — Olive 4-1906



In 1828 Hoe developed the first saw blades used in this country. During a century and one quarter of service, many new woodworking industries were born. As they grew to maturity, Hoe grew along with them as their leading source of woodcutting tools. And just as American industry has invested in new products and processes, so have we kept pace to provide the tools called for by progress.

The combination of Jones & Orth and Hoe added specific skills to Hoe's metallurgical, lumber-oriented technologies. The specialized facilities of J&O teamed up with Hoe's long experience has now produced an astonishing new series of Veneer knives.

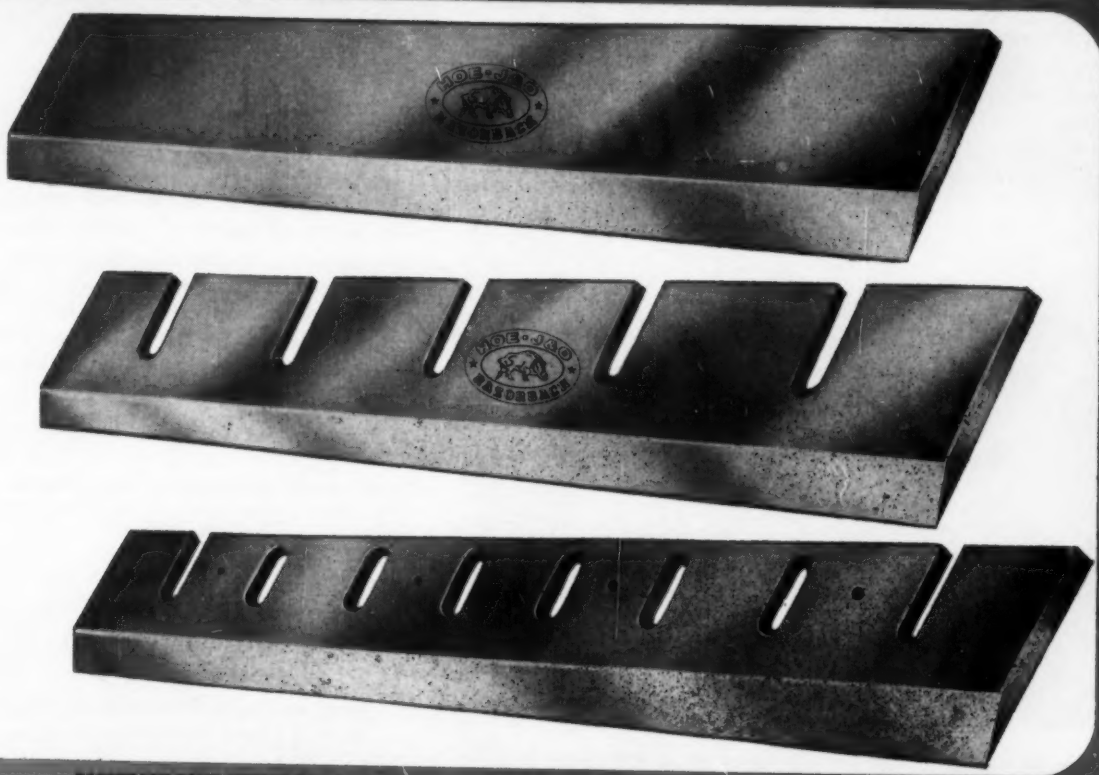
WE ARE PROUD TO CALL THEM "RAZORBACKS"

An incredible series of rugged Veneer knives. Stringent shift-after-shift tests proved their phenomenal reliability and long life. Precision ground cutting edges, resistance to shock and impact, all contribute to the "Razorbacks" great capacity for hard work. At Hoe-J&O, special analysis steel, solid or atomically welded is under constant quality control to insure unequalled toughness and edge-holding abilities. Production of these "Razorbacks" adds still another series of superior tools to help make and process your product. Small wonder America's leading companies look to Hoe, first in tools for the woodworking industries.

HOE · J&O
RAZORBACK
VENEER KNIVES

JONES & ORTH
Cutter Head & Knife Division
R. HOE & CO., INC.
910 EAST 138th STREET, NEW YORK 54, N. Y.
MANUFACTURING AND WAREHOUSE BRANCHES
Birmingham • High Point, N. C. • Memphis • Chicago • Portland, Ore. • Seattle

RAZORBACK®
Veneer Knives



RAZORBACK SOLID VENEER KNIFE—The new super-tough, weldless one-piece knife. Made of Hoe-J&O special analysis steel. Razorback's sharper cutting edge and smooth finish, cuts through hard knots without dodging or breaking out.

RAZORBACK LAID VENEER KNIFE—Has a face of the finest alloy steel fused to a shock-resistant back. Maximum sharpness is retained under the severest operating conditions. The finest cutting edge you can buy.

RAZORBACK VENEER CLIPPER—Tough, dependable, unequalled in cutting efficiency and economy. Can be supplied in the proper analysis for your cutting needs and tailor-made to your exact requirements of temper, finish and dimension.

Serving the Industry Since 1852

FORTUNES from FLAKES!

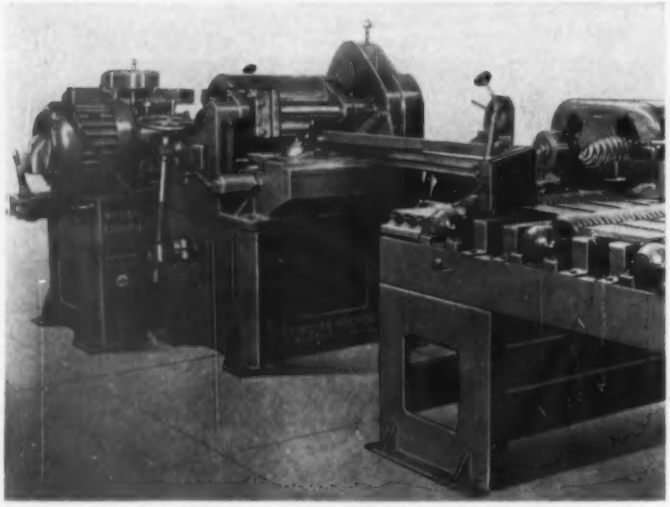
with a

WOODS 900 FLAKER-SURFACER

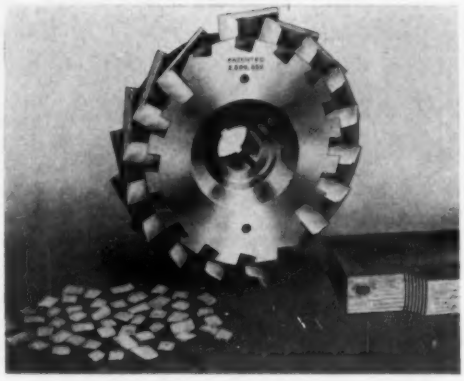
The Woods 900 MS Series Flaker-Surfacer introduces a new concept of wood working machinery to effect a more profitable utilization from stock being processed.

From the excess material of the rough lumber to be finished, this machine will produce wood flakes instead of sawdust and planer shavings. The size of the flakes can be varied to meet the demand.

These wood flakes contain the strength properties and desired fibre length of the wood to make them a very valuable raw material for the pulp, paper and composition board industries.



Woods 900 MS Series Flaker-Surfacer shown set up with automatic feed table and located ahead of planer and matcher or surfacer. Stock can be properly processed with this combination at speeds to 1000 linear feet per minute.



Flaker head is equipped with multiple radial knives arranged in a unique helical-spiral knife line. The knives cut parallel with, but in a special arc across the grain, removing the excess wood in uniform, longitudinally grain spiral end flakes, leaving a flat surface on the stock for final finish by the planer knives.

To get additional information about this money-making Flaker-Surfacer, cut out this coupon, attach it to your letterhead and mail it now.

S. A. WOODS MACHINE CO., DEPT. L
27 Damrell St., Boston 27, Mass.

Kindly send descriptive literature on the Woods 900 Series Flaker-Surfacer to us.

Attention_____

S. A. WOODS MACHINE CO.
27 DAMRELL STREET
BOSTON 27, MASS.

Philippine Mahogany SIDING

LANAI . . . FACE GROOVED EVERY 8" ON CENTER
GROOVES 3/8" WIDE, 1/4" DEEP. PANELS 4'x8'x5/8"

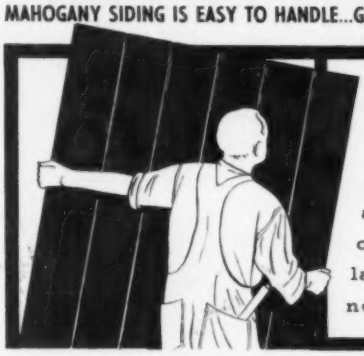
MAHOGANY SIDING IS COMPLETELY WEATHER-TIGHT

.....LANAI

CANTON . . . FACE GROOVED EVERY 2" ON CENTER
GROOVES 3/8" WIDE, 1/4" DEEP. PANELS 4'x8'x5/8"

MAHOGANY SIDING IS EASY TO HANDLE...GOES UP FAST

.....CANTON



Philippine Lauan Exterior Siding offers important advantages to builders, dealers, architects and homeowners. The 4'x8' shiplap panels go up fast, no evidence of joints.

The Douglas Fir cores and Mahogany Veneers are permanently bonded with fully guaranteed Phenolic resin glue.

Investigate the advantages of this practical exterior siding for any building or remodeling job.

(Fill in coupon below)

EASY TO HANDLE
LABOR SAVINGS
PLYWOOD
PANELS

SOUTH SEAS . . . FACE GROOVED EVERY 2" AND 14" ON CENTER
GROOVES 3/8" WIDE, 1/4" DEEP. PANELS 4'x8'x5/8"

MAHOGANY SIDING IS PERMANENTLY BONDED

...SOUTH SEAS

TAHITIAN . . . UN-GROOVED SIDING WITH BEAUTIFUL
RANDOM MIS-MATCHED VENEERS. PANELS 4'x8'x5/8"

MAHOGANY SIDING ADDS STRUCTURAL STRENGTH

.....TAHITIAN

TRADE WINDS . . . FACE GROOVED EVERY 4" ON CENTER
GROOVES 3/8" WIDE, 1/4" DEEP. PANELS 4'x8'x5/8"

MAHOGANY SIDING MEETS FHA REQUIREMENTS

..TRADE WINDS

JONES

DEPT. C I'M INTERESTED ____ SEND SAMPLE OF EXTERIOR SIDING ____ NAME OF NEAREST DEALER ____

FIRM NAME _____

ADDRESS _____

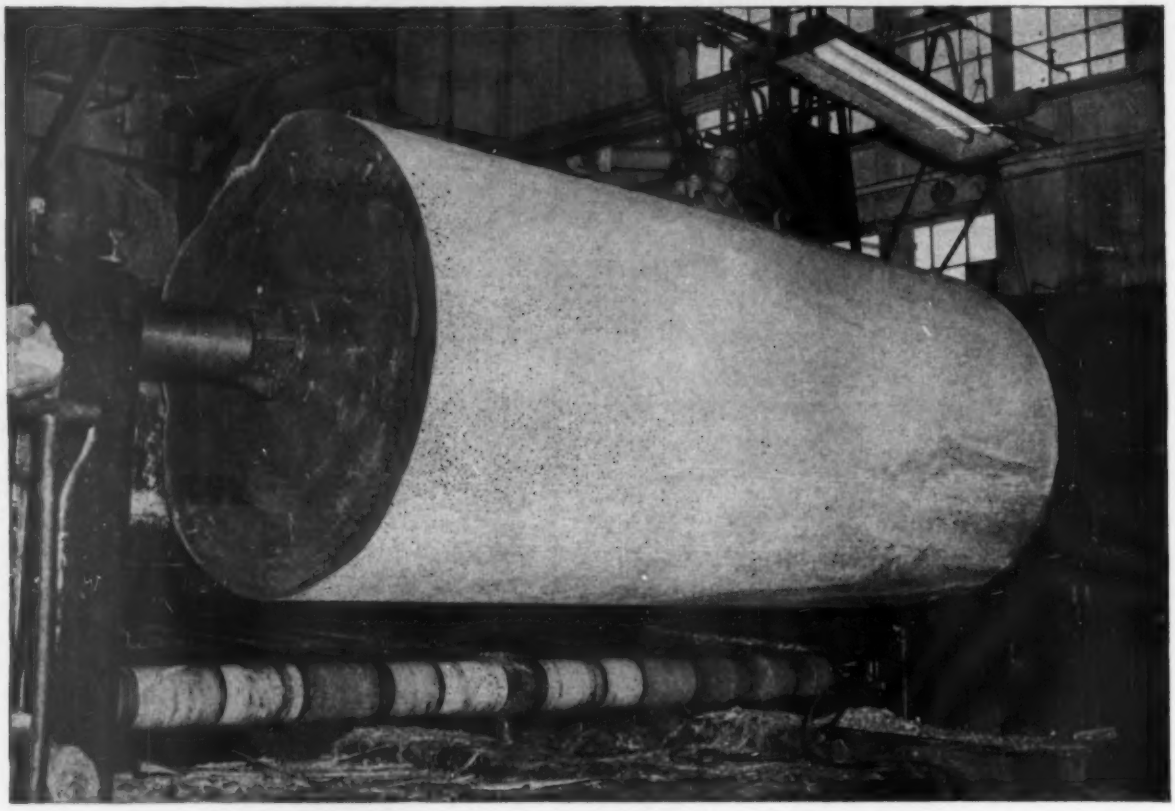
Veneer and Plywood Co.

P. O. BOX 252 EUGENE, OREGON

hpi · CERTIFIED AMERICAN QUALITY · HARDWOOD PLYWOOD INSTITUTE

cutting down giants to size . . . a specialty of

O-KNI-CO PROCESSED HEAVY DUTY VENEER KNIVES



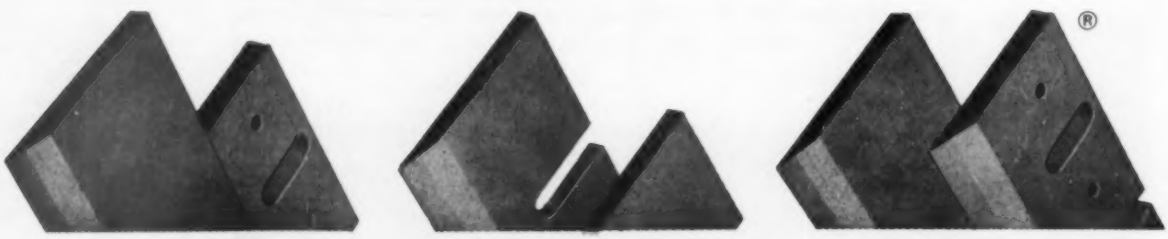
Big logs, big production, exacting requirements . . . require machinery that stands up under the severest conditions. That's why for years Simpson Logging Co., Portland, Oregon, in order to produce its high quality veneer, has specified O-KNI-CO processed veneer knives. Made to order, like all O-KNI-CO veneer knives, they deliver day-in-day-out trouble free performance. Their bevel, their degree of hardness are exactly suited to the job required.

They are big money savers, too, because they stay sharp longer and require fewer re-grindings. Special high alloy steel is produced to our exacting metallurgical standards. Special heat-treating methods produce edges of absolute uniform hardness with unequalled resistance to wear, nicking or gapping. Precision grinding holds thicknesses to tolerances and parellelisms of plus or minus .001 producing the straightest edges, matchless cutting efficiency. Free illustrated bulletin available.

Write Dept. 69- R.

THE OHIO KNIFE CO.
CINCINNATI 23, OHIO

Manufacturers of PLANER KNIVES • VENEER KNIVES • CHIPPER KNIVES • HOG KNIVES.



V VAN-PLY Offers a New Service

FOR ONE SOURCE OF SUPPLY...

OX 4-3711 · OX 4-8191 · OX 4-8871 · OX 4-7351 · OX 4-7791

CALL DIRECT BY NUMBER—YOU SAVE TIME
YOU SAVE MONEY—YOU INCREASE PROFITS

Tom D. Saathoff
Sales Manager
N. W. Region
Station to Station
OX 4-8871

Van Purdy
Sales Manager
S. E. Region
Station to Station
OX 4-7351

David B. Evans
Sales Manager
S. W. Region
Station to Station
OX 4-7791

Don Almy
Sales Manager
N. E. Region
Station to Station
OX 4-3711

John Vanguard
Manager
Import Division
Station to Station
OX 4-8191

DFPA TESTED QUALITY

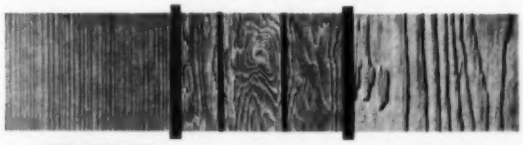
EXTERIOR GRADES
INTERIOR GRADES

- **PANELING**
- **SPECIALTIES**
- **UTILITY**
- **TEMPERED**

Sanded Panels . . . Concrete Form Panels . . . Sheathing Panels . . . Marine Panels . . . Scarfed Fir Panels up to 30′ in length . . . Table Bases . . . Birch Plywood . . . Knotty Idaho White Pine . . . Knotty Idaho Red Cedar . . . Rotary Philippine Mahogany . . . Rotary Red Oak . . . Vertical Grain Fir . . . Textured 1-11 Fir Panels . . . Japanese Sen . . . PV Hardboard . . . PV Tempered Hardboard . . . PV Hardboard Specialties.

• Take advantage of this NEW DIRECT SERVICE. Call the man on his own private wire number to number. You'll save by this new service!

When you call VAN-PLY you'll get the best quality DFPA plywood on the market and at *ONE SOURCE OF SUPPLY*.



NEW BRUSHED TEXTURE 1-11
New textured surface combines decorator beauty with durability and economy.

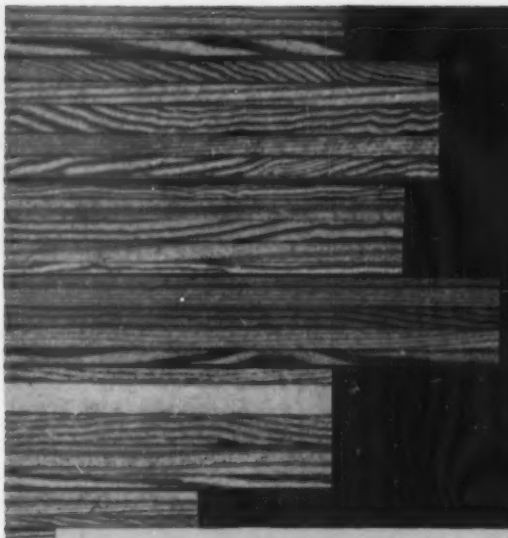
CORDE
New striated panel is finding interest with both home builders and commercial contractors.

DECOPANEL
Textured surface appeals to the week-end carpenter for use in his own den or party room.

PLYWOOD SALES AGENTS FOR...
Fort Vancouver Plywood Co.
North Pacific Plywood Co.
Astoria Plywood Co.
Tillamook Veneer Co.
Southern Oregon Plywood Co.
Three Sisters Plywood Co.
Port Plywood Co.
PV Brand Hardboard
Many overseas suppliers

V VANCOUVER PLYWOOD COMPANY
P. O. Box 720, Vancouver, Washington • Phone: OXford 3-2516 • TWX VAN-648

VAN-PLY REPRESENTATIVES IN EVERY MAJOR CITY.
Write us for the name of the plywood distributor nearest you.



Numbers to Remember!

P. O. BOX 904
Everett, Washington
Phone:
ALpine 9-7111
Teletype: ET 74
Three ways to reach

ROBINSON PLYWOOD & TIMBER COMPANY

exclusive sales agents for

EVERETT PLYWOOD & DOOR CORPORATION

largest worker-owned plant in the industry

PLYWOOD

DFPA TESTED QUALITY

FIR PLYWOOD

INTERIOR
EXTERIOR
(all standard sizes and grades)

SPECIALTY ITEMS

TEXTURE 1-11
MARINE PANELS
KNOTTY PINE
KNOTTY CEDAR
BRUSHED
2-4-1 SUBFLOOR
V-GROOVE
SCARFED PANELS

HARDWOOD PLYWOODS

MARINE MAHOGANY
RIBBON GRAIN MAHOGANY
ROTARY PHILIPPINE MAHOGANY
BIRCH
RED OAK
MAPLE
AND OTHER SPECIES

ROBIN BRAND plywood is manufactured to meet the strict quality requirements of U. S. Commercial Standards. Every Robin Brand* panel—exterior and interior—is *hotpressed* to assure uniform thickness, stability and low moisture content; the most modern precision machinery is used throughout.

*as manufactured by Everett Plywood & Door Corp.

LUMBER

Robinson Plywood & Timber Company manufacturers WCLIB-graded West Coast kiln-dried lumber:

Douglas Fir and West Coast Hemlock Dimension, Studs, Boards, Shiplap, T & G, Small Timbers.

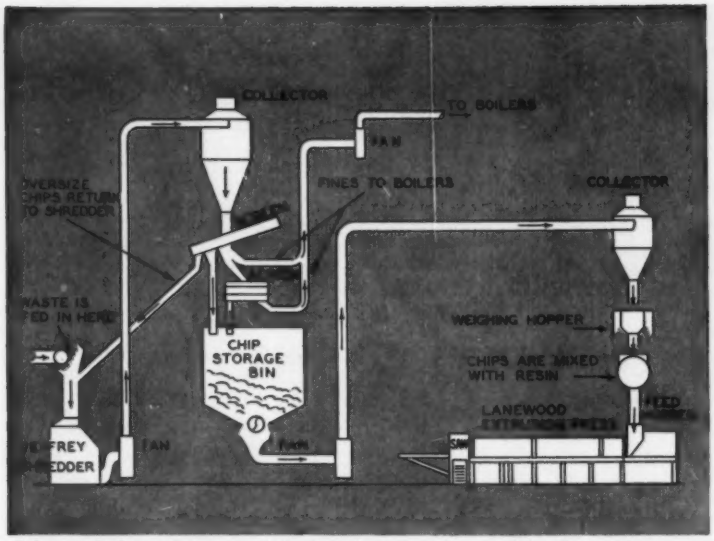
HEAVY WALL and ROOF PLANK—Double T & G, Predrilled

PRE-CUT and PRECISION-TRIMMED STOCK

CLEARS and PATTERNS

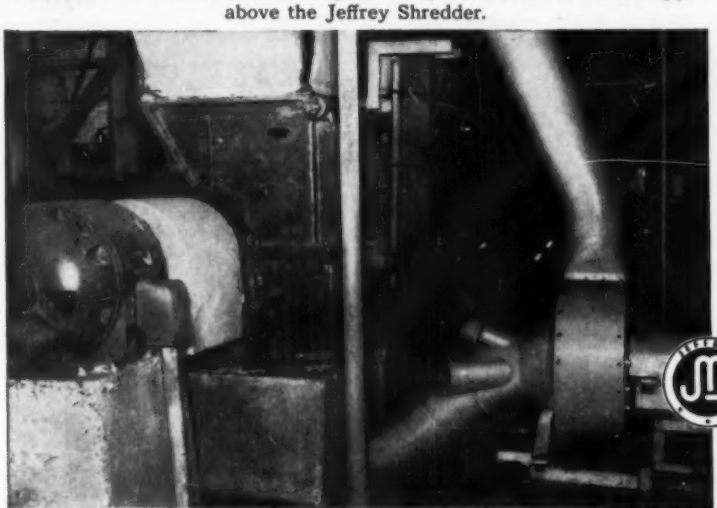
HAND-SPLIT RESAWN CEDAR SHAKES (Certi-grade)

ROBIN BRAND



Schematic layout for particle board production at The Lane Company, Altavista, Virginia.

Wood waste in various sizes, shapes and species is fed into the hopper above the Jeffrey Shredder.



Waste and oversize wood particles are reduced to proper size by this Jeffrey Shredder, then conveyed by air to an overhead collector, screens and storage.

SUITABLY SIZED WOOD PARTICLES—

a Jeffrey Shredder meets this requirement for **Lanewood Particle Board**

● Core stock employed in fine furniture by The Lane Company is made of suitably sized wood particles and a thermosetting resin. A proper mixture is forced, under pressure, between heated plates in a continuous extrusion press. There it is compressed and cured. The resulting board is quite economical to produce; it compares with wood in machineability, is uniform in dimension, and has high screw-holding power.

Jeffrey Shredders, Wood Hogs and Pulverizers can be supplied to satisfy all kinds of reduction problems. Available catalogs describing the machines will help you to choose equipment to meet your requirements. For your copies, write The Jeffrey Manufacturing Company, 850 North Fourth Street, Columbus 16, Ohio.

JEFFREY

CONVEYING • PROCESSING • MINING EQUIPMENT... TRANSMISSION MACHINERY ...CONTRACT MANUFACTURING

PENNSALT CHEMICALS

Quality Controlled Products for the Plywood and Wood Products Industries

Uniform quality

CAUSTIC SODA

For uniform plywood glue bond.
Flake, crystal, powder, liquid.

PENITE 6X and PENITE 35

Special arsenite formulation for weed control and chemical debarking.

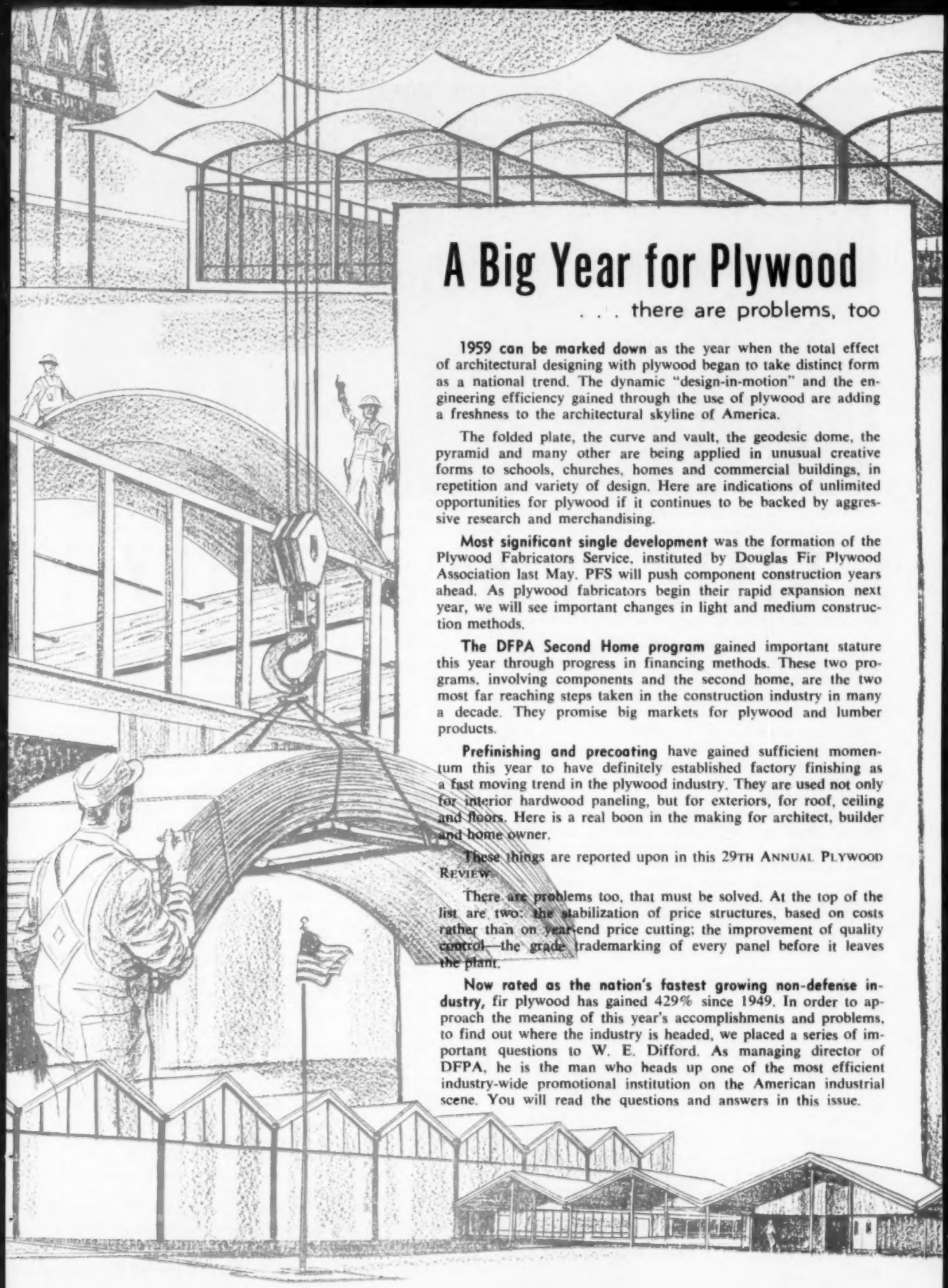
Conveniently located plants and offices cut transportation costs and reduce inventory requirements. Write or call for complete information: Pennsalt of Washington Division, PENNSALT CHEMICALS CORPORATION, Tacoma 1, Washington.

Pennsalt of Washington Division
TACOMA 1, WASHINGTON

Offices and Plants: Los Angeles and Menlo Park, Calif. Philadelphia, Pa., Portland, Ore., Vancouver, B. C. (CRestwood 8-1412)

PENNSALT CAUSTIC SODA is made at Calvert City, Ky., Portland, Ore., Tacoma, Wash., Wyandotte, Mich., and Mexico City.

Pennsalt Chemicals
ESTABLISHED 1850



A Big Year for Plywood

. . . there are problems, too

1959 can be marked down as the year when the total effect of architectural designing with plywood began to take distinct form as a national trend. The dynamic "design-in-motion" and the engineering efficiency gained through the use of plywood are adding a freshness to the architectural skyline of America.

The folded plate, the curve and vault, the geodesic dome, the pyramid and many other are being applied in unusual creative forms to schools, churches, homes and commercial buildings, in repetition and variety of design. Here are indications of unlimited opportunities for plywood if it continues to be backed by aggressive research and merchandising.

Most significant single development was the formation of the Plywood Fabricators Service, instituted by Douglas Fir Plywood Association last May. PFS will push component construction years ahead. As plywood fabricators begin their rapid expansion next year, we will see important changes in light and medium construction methods.

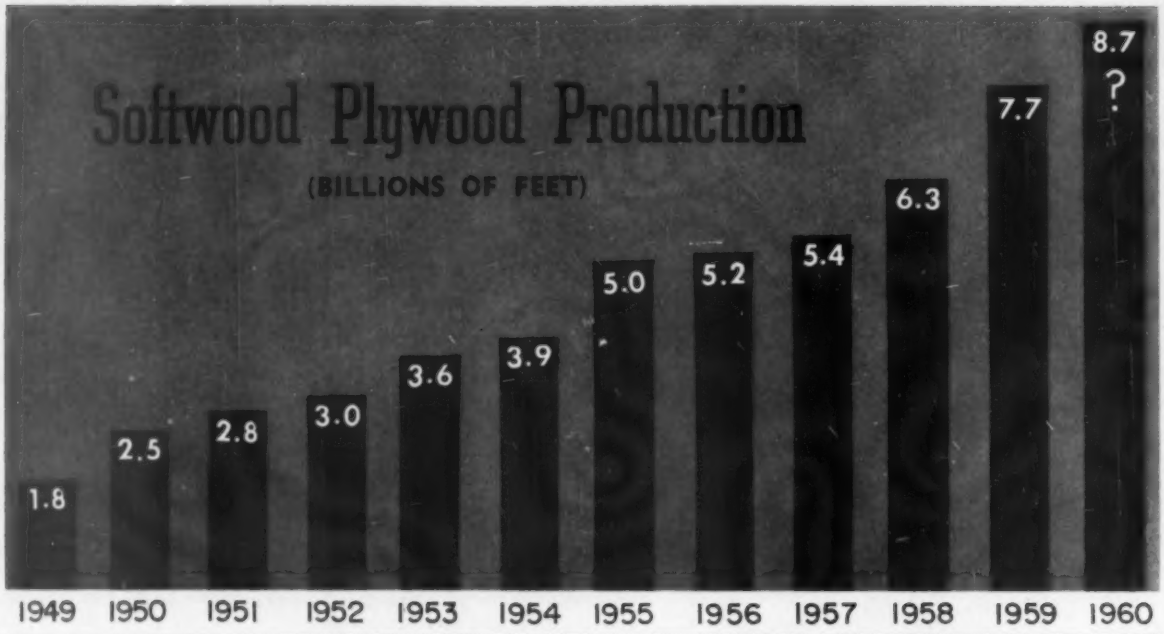
The DFPA Second Home program gained important stature this year through progress in financing methods. These two programs, involving components and the second home, are the two most far reaching steps taken in the construction industry in many a decade. They promise big markets for plywood and lumber products.

Prefinishing and precoating have gained sufficient momentum this year to have definitely established factory finishing as a fast moving trend in the plywood industry. They are used not only for interior hardwood paneling, but for exteriors, for roof, ceiling and floors. Here is a real boon in the making for architect, builder and home owner.

These things are reported upon in this 29TH ANNUAL PLYWOOD REVIEW.

There are problems too, that must be solved. At the top of the list are two: the stabilization of price structures, based on costs rather than on year-end price cutting; the improvement of quality control—the grade trademarking of every panel before it leaves the plant.

Now rated as the nation's fastest growing non-defense industry, fir plywood has gained 429% since 1949. In order to approach the meaning of this year's accomplishments and problems, to find out where the industry is headed, we placed a series of important questions to W. E. Difford. As managing director of DFPA, he is the man who heads up one of the most efficient industry-wide promotional institution on the American industrial scene. You will read the questions and answers in this issue.



STATE of the INDUSTRY

SEVERAL IMPORTANT DEVELOPMENTS have taken place within the plywood industry this past year. One of the most significant has been the establishing of the Plywood Fabricator's Service to develop plywood component fabricating and marketing. Established fabricators numbered 16 this year as PFS moved into "pilot" stages. Within the next couple of years plywood fabricators subscribing to the strict PFS standards will be in the hundreds.

Prefinishing and precoating of plywoods is undergoing a remarkable expansion—for hardwood faces and specialty items. It is just a start. We will see prefinishing of fir and other softwoods also—prefinished or precoated for special uses. It ties in well with component construction, for complete stressed-skin walls. We may soon see complete prefinished plastic coated plywood roof panels—maintenance-free for 25 to 30 years.

The "two home family" program started by DFPA this past year has had amazing interest. This promises to be a real "ringer" as the industry moves into field test programs for use by lumber dealers.

Research is paying off. The increased expenditures for product research is even more heartening. Through DFPA, plywood manufacturers will spend $5½ to $6 million during 1960 for promotion and research.

Saddest experience this year, as in the past, is the industry's severe price-cutting cycle. It injures the manufacturer, the jobber, and builders lose faith. Douglas fir plywood reaches a high of $85 and a low of $64 for its ¼" bellwether sanded stock. There is little sign yet that it has reached maturity in stabilizing its price structures as it wavers between pricing itself out of the markets and devastating itself by selling below cost.

Dozens of plants have taken steps to improve both plant and products this year. Speed sanding has taken the industry by storm to improve face stock. Probably as important has been installation of semi-automatic panel patching systems. Other steps have centered around installation of more dryer and lathe capacity and complete plant updating, costs running into the multi-millions.

To be looked for in progressive plants, regardless of size, is more product diversification—better utilization, higher standards, more productive manhours. Diversity of products and specialties helps to stabilize costs.

INSTALLED CAPACITY of the 148 western states plants that operated all, or part, of 1959, reached 9.4 billion sq. ft. (⅜" basis). Some 32 of these plants were also producing hardwood plywood. By the end of 1960, installed capacity of the western states plants will have reached close to 10 billion sq. ft.

Including British Columbia and Alberta, Canada, as a part of the western region, installed capacity for that region was 11.3 billion sq. ft. This includes about 1.06 billion sq. ft. for B. C. and 84 million for Alberta.

By the end of 1960, total western region installed capacity will probably reach 11.8 billion sq. ft.

Of the 148 plants in the western states, three were destroyed by fire. At the year end, 145 were operating.

By the close of 1960, there will be at least 150 plants producing softwoods in the western states and a total of 152 plants minimum. British Columbia will also probably add one additional plant, bringing the western region, totals to 171, including B. C. and Alberta.

ACTUAL PRODUCTION of fir plywood mills in the western states is estimated at 7.7 billion sq. ft. for 1959, (⅜"), or 22% above the 6.3 billion sq. ft. produced in 1958. There was an additional 50 million sq. ft. of pine and 474 million sq. ft. of hardwood plywood produced by these mills (not included in above total) that swells the total to 8.2 billion sq. ft. produced by western states mills.

Production of hardwood plywood continued to move up among western plants, with an increase of 13% over

1958. One interesting facet is the conversion of three softwood plants into 100% lauan production.

The British Columbia plants turned out 917 million board feet during 1959. Added to the western states total the entire western region volume of softwood plywood for 1959 was 8.6 billion sq. ft. Combining all hardwood plywood and softwood plywood production for the western region, the grand total was 9.2 billion sq. ft. (⅜" basis). This is for Western states, B. C. and Alberta, Canada.

HARDWOOD PLYWOOD PRODUCTION in plants east of the Rocky Mountains is estimated at 750,000,000 sq. ft. surface measure, by 166 plants. The surface foot measure is not directly comparable to the ⅜" production of the west. However, the 32 plants reporting hardwood production in the west are making approximately ⅓ of the nation's hardwood plywood.

WESTERN PLANTS ADDED during 1959 include the following: KVV Calif. Mills, Inc., Cloverdale, Calif.; Winton Lumber Co., Martell, Calif.; Georgia-Pacific Corp., Samoa, Calif.; Willamette Sheathing Corp., Arcata, Calif.; Bohemia Lumber Co., Culp Creek, Ore., MacKenzie River Plywood Corp., Springfield, Ore.; Myrtle Creek Plywood Co., Myrtle Creek, Ore., Port Plywood Corp., Astoria, Ore.; Santiam Lumber Co., Sweet Home, Ore.; Valsetz Lumber Co., Valsetz, Ore.; Mid-Plywood, Inc., Sweet Home, Ore.; Hult Lumber Co., Junction City, Ore.; Georgia-Pacific Corp., Coos Bay, Ore.; Three Sisters Plywood Co., Albany, Ore.; Weyerhaeuser Company, Snoqualmie, Wash. In Walworth, Wisc., a fir plywood was added by the Walworth Plywood Co. The Savona Timber Co. in Savona, B. C. also converted to complete plant.

COMING INTO PRODUCTION IN 1960 are the following: Pickering Lumber Co., Standard, Calif.; Georgia-Pacific Corp., Springfield, Ore.; Payette Plywood Corp., Payette, Idaho; International Paper Co., Chelatchie Prairie, Wash.; Coquille Valley Lumber Co., Albany, Ore.; Rosboro Lumber Co., Springfield, Ore.; Van-Evan Company, Missoula, Mont. There will be others.

THE INDUSTRY FACES A STRONG POSITION as it enters 1960, despite slushy late going because of price softening and the real specter of overproduction. It enters 1960 with the 15th straight record sales year. Per-capita consumption of 42.4 sq. ft. for every person in U. S. for 1959, compares with 36.2 sq. ft. for 1958.

THE CONSTRUCTION OUTLOOK IS GOOD. There is no unanimity among the usual expert sources on what is going to happen to housing in 1960. It is obvious that no one is looking for a slump in dollar volume. Some see a decrease from 1959 starts due to tightening credits. Others predict a market of 1.4 million units to be built. Conservative *Magazine of Wall Street* sets a ceiling of 1.4 million starts against a floor of 1.1 million, but with homes generally bigger and more expensive.

Department of Commerce projections for 1959 indicate that when all reports are in it will approach the record 1.4 million starts of 1950. Basic home needs are estimated at 1.1 million minimum.

School construction is expected to climb to higher levels than during 1959. *Fortune Magazine's* study predicts construction of about 77,000 classrooms in 1960 compared to 75,000 during 1959.

Home modernization will play an increasingly important role in uses of plywood, especially with the developments of prefinished surfaces.

The Bureau of Labor projection for 1960 cites a 4.4% probable increase in heavy construction.

Total construction is expected to be 4% to 5% higher with most of the activity in building.

Industrial uses, rail cars, materials handling are all rapidly increasing their uses of plywood.

New markets, new approaches and new ideas will have their effect on plywood in the coming months.

BRITISH COLUMBIA PRODUCERS had a troubled year. A 2½ months strike closed 10 of the 14 plants, resulting in heavy losses in both production and markets.

Estimated production of fir plywood during 1959 by the 10 member companies of the Plywood Manufacturers Association of B. C., was 915 million sq. ft., or about 97.5% of the record year of 1958.

As in previous years, the Canadian mills represented by the PMFA, produced fir and WSP, manufacture with hot press phenolic resin glue to achieve completely waterproof bond.

Success of extensive efforts of research, trade promotion, advertising and publicity has contributed to the relative healthy state of the plywood industry. Industry figures show Canadians to be the largest per-capita users of plywood in the world.

One innovation during 1959 was the introduction of a separate department to sell association literature directly to Canada's 7000 local lumber dealers. Previously this literature (more than a million pieces in 1958) was distributed through member companies free of charge. ■■

WESTERN SOFTWOOD PLYWOOD PLANTS

Year	Wash.	Ore.	Cal.	B.C	Ida.	Mon.	Alb.	Tot.
1938	19	4	2	3	....	....	....	28
1939	20	4	2	3	....	....	....	29
1940	19	9	2	3	....	....	....	33
1941	19	10	2	4	....	....	....	35
1942	22	10	2	5	....	....	....	39
1943	22	10	2	5	....	....	....	39
1944	22	10	2	5	....	....	....	39
1945	22	11	2	5	....	....	....	40
1946	22	11	2	5	....	....	....	40
1947	21	13	5	5	....	....	....	44
1948	24	13	6	5	....	....	....	48
1949	31	20	9	5	....	....	....	65
1950	34	25	12	6	....	....	....	77
1951	37	34	14	7	....	....	....	92
1952	36	39	18	8	1	....	....	102
1953	37	42	18	8	1	....	....	107
1954	36	46	17	9	1	....	....	110
1955	37	54	20	10	1	1	....	124
1956	35	64	22	12	1	1	1	137
1957	34	65	22	13	1	1	1	138
1958	30	70	20	13	1	1	1	136
1959	36	79	28	14	1	1	3	162

U. S. DOUGLAS FIR PLYWOOD PRODUCTION 1936—1959

1936	700	1948	1,871
1937	725	1949	1,889
1938	650	1950	2,554
1939	950	1951	2,866
1940	1,200	1952	3,049
1941	1,620	1953	3,670
1942	1,782	1954	3,903
1943	1,430	1955	5,075
1944	1,440	1956	5,240
1945	1,200	1957	5,450
1946	1,395	1958	6,339
1947	1,630	1959	7,702

Included in softwood production (million sq. ft.): pine 77; spruce 52; larch and hemlock 269; cedar 2.6; redwood 4; white fir 48. Western states hardwood (⅜" basis), 474 sq. ft. Total western states hardwood-softwood, 8.2 billion sq. ft. Total western states softwood with British Columbia, 8.6 billion sq. ft. Total western region, all species, U.S., B.C., Alb.a., 9.2 billion sq. ft.

An interview with
W. E. DIFFORD

"... plywood has not begun to reach the saturation point in residential construction. We'll eventually sell as much plywood for the second home as we are now putting in conventional homes. ..."

Why Plywood Keeps on Growing

Douglas Fir Plywood Association's promotional work over the past 20 years has undoubtedly made a tremendous contribution to plywood's progress. It is probably the most aggressive and best financed association of its type in the country. With the dollar value of the fir region's plywood product approaching, or even exceeding that of the region's lumber, there are many questions as to how, why and where is plywood going. In response to a series of questions placed by Dean Sherman, THE LUMBERMAN'S editor, W. E. Difford, DFPA managing director—the man who runs the show—gives the answers.

Q. Because of tighter money markets, some economists are predicting a decrease in housing starts for 1960. How will this affect plywood markets, particularly in view of increased production?

A. First of all, the idea that housing starts will decrease in number next year is by no means unanimous among the experts. Secondly, intense concern over housing starts is a state of mind that is irrelevant to our problem. Personally, it looks to me like we'll see about as much new home construction in 1960 as we did last year. But we're aiming at selling more plywood per house. Whether total construction goes up or down, we're instilling in our field men the basic fact that housing is a ready-made market in which we can increase plywood sales. Although this may not apply to all manufacturers in the field, plywood hasn't even begun to reach the saturation point in residential construction. As long as this condition exists, there is no reason to fear fluctuations in the number of new home starts.

Q. What do you see ahead for the "two home" program? Will it contribute to plywood sales in a substantial way?

A. During the next ten years, we may be selling as much plywood in the second house or vacation hideaway as we are now in conventional home construction. However, total sales in this market today are relatively small. We are working with a trend which has not yet emerged into an established market. Right now financing looks like the big stumbling block. As long as the second house must be financed like conventional real estate or with cash, the market will expand slowly. When a man can buy a second house as easily as he buys a boat or washing machine, then the market will explode.

This year we're selling the general idea through national advertising and through various types of public relations activity directed to consumers, financing people, real estate people and builders. We're developing at least ten new plans for specific houses of this type. These will emphasize the minimum cost approach. We're developing many new sales aids for lumber dealers. We think this is an ideal market for them. In mid-November we assigned a man to do a comprehensive job of market analysis in the San Francisco region. He will build a detailed picture of this entire market as it exists in a major metropolitan region surrounded by recreational areas. We believe this picture can be expanded on a national basis and that our work with individuals and firms in the two-house market in this region will set the pattern for national promotion.

Q. Do you believe that components will be a major factor in construction and as a plywood market?

A. The answer to both questions is yes. The homebuilding process is being industrialized at a rapid rate. One of the major factors in this process is the component of all types. Many, if not most of them, will involve plywood. Actually

"... we have reached the point where our survival depends upon manufacturing a product of constant high standards ... many know this—we hope more will."

"... homebuilding is being industralized at a rapid pace ... a major factor is components. We are just beginning to edge off dead center in components."

"We're increasing sales 10-15% yearly, as we grow, percentages may decrease but volume will increase. Big factor in growth is manufacturer promotion support."

plywood is wood in component form and the whole trend is to larger parts and fewer small pieces. Plywood lends itself to the component principle.

Q. What is the present status of component manufacture and fabrication?

A. In my opinion, we've been standing on dead center for several years. Until only recently there have been just a few fabricators in business. These were pioneers, undercapitalized, small, and ill-quipped to produce building parts on a volume basis. It is only recently that we have begun to get a real climate of acceptance for new ideas in the construction field.

With the organization of Plywood Fabricator Service early this year, we began to edge off dead-center position. Now that we've completed our pilot phase we're moving again. PFS has been a terrific shot in the arm. It's given the smaller fabricators a boost in orders and rekindled their enthusiasm. It's attracting more capable operators to the field—operators with the capital to do things right. With adequate assurances of quality control, the official reluctance from building inspectors, mortgage lenders and code officials is crumbling. Architects are getting better information on which to base component design and builders now have the opportunity in effect to "subcontract" even more of their operation.

Q. What are the primary problems in components?

A. There are two basic problems. One is standardization. Too often the panels available today don't fit the same module on which window, door and other unit specifications are based. It is essential that this be solved. Secondly, we'll never get real value from components until the fabricator can make basic units to stock with reasonable confidence that they can be sold. When that's possible, component fabrication will emerge from its present semi-custom stage into true mass-production.

The answers to both problems require research and coordination. We believe we are in the best position to provide that leadership. We are working now with the NAHB Research Institute to crystallize a joint research effort around components which will give the builders a better home to sell at less cost.

Q. What do you see as the relationship between plywood and lumber promotion?

A. We have been accused at times of promotion which is hard on the lumber industry. We do not oppose in any way the objectives of the lumber industry. However, in those cases where plywood does a better job, we have pressed our story to the user. We believe in promoting the right wood for the right use. We agree with Dr. J. A. Hall, retired director of the U. S. Forest Porducts Laboratory, who has said that plywood promotion has caused the sale of more lumber than plywood has displaced.

Q. What are you doing in plywood research?

A. Research is getting more emphasis than any phase of our work except field promotion. We have substantially expanded our physical equipment and staff. Right now we're researching new structural ideas with the big emphasis on components. We're looking for new plastic and metallic surfaces for exterior siding and for roofs. We're researching maintenance-free finishes for interior paneling. We're looking for the means to upgrade a low-appearance quality panel into a premium product. In addition to that, we're branching out to work with other organizations. We're supporting research on plywood for geodesic domes with Geodesics, Inc.; we are trying to work out some joint projects with the foamed plastics products and, we are making progress in setting up a program with the home builders.

Q. What are some of the principal problems confronting the plywood industry?

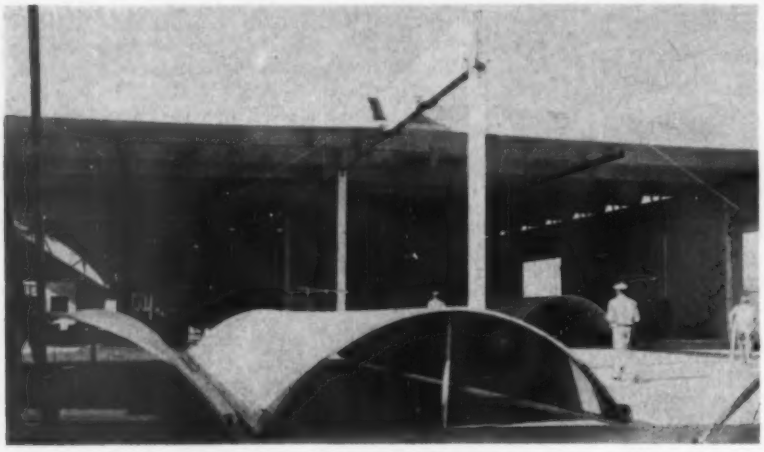
A. There are two basic problems confronting our industry. One is quality. There is still too much low grade plywood getting to market. It is ten times harder to re-sell a customer with a legitimate complaint than it is to sell a new customer. We are the only industry in the United States that has maintained a consistent growth record based on consistent down-grading of quality. We have reached the point at which our survival depends upon manufacturing a product with a consistent high standard of quality. Most of the manufacturers understand this. We're hopeful that someday all of them will.

The second problem is maximum utilization of all species in timber stands owned by our members. It is imperative that they find a basis for marketing products from the softwoods. We have gone beyond the day when we can confine ourselves to fir plywood alone. This means more research and product development.

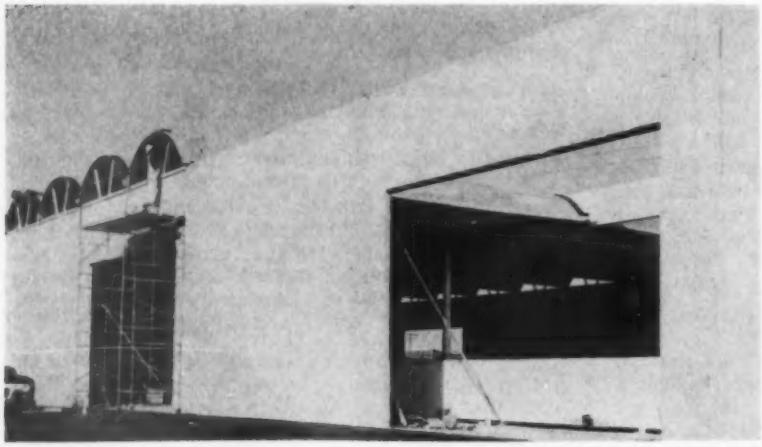
(Continued on page 99)

Center section of the office roof appears to float above the side sections. The clerestory space between the two levels has clear glass. Used in normal fashion, vertically, *Trofdek* results in a corrugated profile. Laid on the side, it produces the harlequin pattern evident here.

This is the manner of hanging pipes and conduits from the vaults.



Here are the components of the plant building: tilt-up walls, plywood vaults, plywood girders and the I-beam which support hoists and provide longitudinal bracing. This view is from the back end of the building.



First steps toward closing in the ends of the vaults and of flashing and roofing them are being taken here. The vaults are roofed with 30-pound felt and 90-pound mineral cap sheet.

New Uses of

Berkeley Plywood Co. recently moved from its location at Oakland, Calif., to new quarters at nearby San Leandro. As might be expected of a company which has pioneered many types of engineered plywood, BPC used plywood extensively in the new building, which is a combination office and fabricating plant.

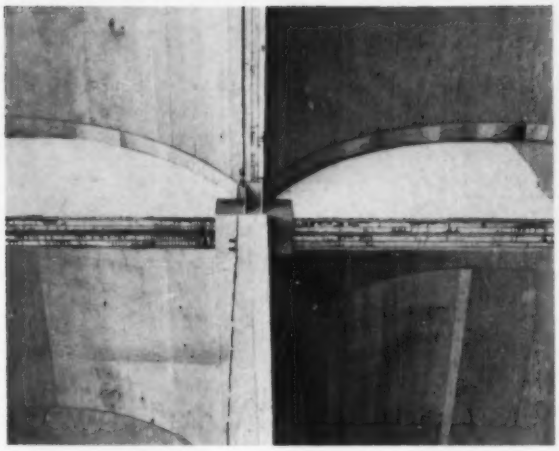
BPC has been widely known since WW II for its plywood applications throughout the nation and particularly in the West. The new building at San Leandro embodies many of the systems the company has installed for clients, but boasts several unique applications.

The uses of plywood described in this report were not devised simply for plywood's sake. They represent answers to certain design requirements which were generated naturally as the ideas of what kind of building to erect were sifted and refined.

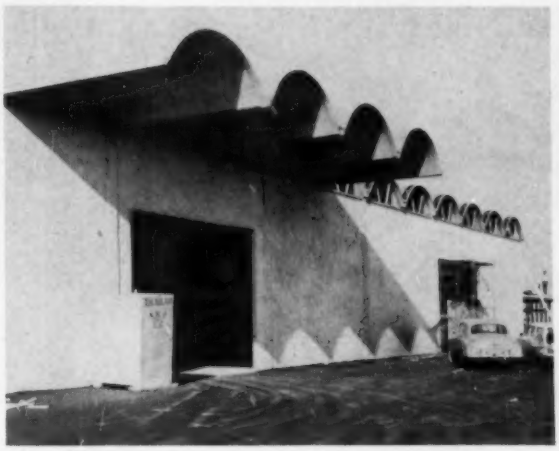
The building has 5,000 square feet of office space and 20,000 square feet of plant space. It is surrounded by a 90,000-square-foot blacktopped parking and storage yard.

What, precisely, did BPC have in mind about the form of its new building?

Says Warner Odenthal, company executive and the one who did most of the original thinking about the components of the building, "We wanted plenty of clear span area. We fabricate some rather big plywood members and we need elbow room.



Looking ceilingward in the fabricating plant, this is a typical joining of vaults, girders and supporting column.



Four 64-foot vaults produce this cantilevered protective shed covering 700 square feet. Plastic panels will be added.

Plywood satisfy both structural and esthetic requirements.

"We also wanted maximum flexibility and freedom in locating wires, ducts, conduits, pipes and other kinds of fixtures without having to do a lot of detouring and turning within the framework of the building.

"Along with these engineering or structural requirements, if you want to call them that, we also wanted an architecturally pleasing building—not just another wood-using factory.

"Naturally, there was greater interest in esthetic qualities for the office area than for the plant area, but, nevertheless, we were interested in having an atmosphere of freedom, airiness and clean design in the plant.

"And, finally, we wanted these two major goals—clear spans and clean design—at the lowest cost.

"We got what we wanted."

Odenthal stresses that the building could have incorporated other types of construction, some of which, separately, would have cost less. But no other combination would have delivered the same results at lower cost.

A demonstration of the plywood engineering involved was given just prior to occupancy of the new building, when a joint demonstration-dedication was held.

The actual job project was a collaborative one between the company and architect Robert Klemmedson, A.I.A., Orinda, Calif.

The fabricating plant. BPC used plywood vaults, plywood girders, and frame-and-skin plywood sliding doors in this part of the building. The walls, 20′ high, are tilt-up concrete slab type.

BPC has used plywood vaults extensively for clients. But the vaults forming the roof of its own building are the largest it has yet made. These were built at the job-site, laid up under pressure and heat to a thickness of ¾″. They are 50′ long and span 12.5′. Each weighs about 2,000 pounds. Nine of the vaults are 64′ long and the extra length forms a cantilevered overhang sheltering two of the doorways. (Until now, the largest vaults BPC fabricated are the ones installed at the Humboldt County Cafeteria, on the fairgrounds at Eureka, Calif. These are 48′ long and span 8′).

There are 16 roof ply-vaults down each side of the building and they butt aaginst plywood girders at the centerline.

The girders are 50′ long, 4′ deep and 10.5″ thick. Each weighs approximately 3,700 pounds. Both vaults and girders were lifted into position by a leased commercial crane. (Although BPC has designed equipment to facilitate installations of its systems and ships this equipment to the various jobs if distance is not too great, certain pieces of heavy equipment are locally leased.)

The outer ends of the vaults rest flush on the concrete walls and are closed with panels of translucent plastic. This affords a generous flood of diffused light in the plant and eliminates the distraction of beams or shafts of direct sunlight. Since the building is oriented north and south, there is sunshine on one side or the other all day.

Inside the plant the only vertical members interrupting the entire floor space are the three 10x12s, down the centerline, supporting the girders. Except for the few square feet of space occupied by the bottoms of these supports, and the concrete cylinders in which they are anchored, the entire plant floor is clear.

All pipes, conduits and other fixtures are mounted directly onto the bottoms of the vault. They are easily accessible for maintenance, yet none interferes with the space within the plant.

A distinctive feature in the plant is the mounting of an 8″ I-beam down the center of each side of the plant, directly on the bottoms of the vaults. These 200′-long beams serve two purposes: they are the rails for multiple mountings of 1-ton hoists and they are longitudinal braces for the building.

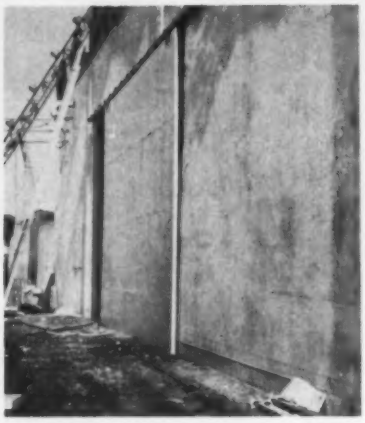
The I-beams are held against the bottoms of the vaults by bolts which go through plates mounted on the tops of the valleys on the roof.

The Sliding Doors. The plant has eight doorways, three on each side

(Continued on next page)

New Uses of Plywood—Berkeley Plywood *(Continued)*

Three hoists are mounted on this section of I-beam. Each is 1-ton capacity. Pipes and conduits hang in the background.



Method of mounting the sliding doors is shown here. Doors can be moved on their tracks with a minimum of pressure.

and two at the rear. BPC wanted lightweight, durable, inexpensive doors to cover these openings and they had to be sliding units. Since the building must be heated for glue-up work, hollow-core doors offering insulation value were used.

The doors, 14′ high and up to 25′ wide, have rollers and are hung on tracks mounted on the exterior of the wall. They were built by using 2x6s for tops and bottoms, 2x4s for edges, and 2x2s for the skeleton within the frame.

The whole structure then was covered on the exterior side with 5/16″ overlaid plywood and on the interior side with 5/16″ exterior grade. Both were glued for greater strength and rigidity.

The Office Building. Here the architectural and structural requirements were deftly merged.

There are no bearing partitions and no restrictions on locating or relocating walls. The clear span roof is in three sections, and it includes another first for the company; a series of recurved plywood arches. The arches are lapped at the edges, glued and fastened with screws. The result is an undulating line at the front of the building and a roof structure of great stiffness and in which every square foot of surface is working. The convex components are 1⅛″ thick, are bent to a radius of 4′6″; the concave ones ¾″ thick, bent to radius of 6′6″.

In the office area the concave portions of the ceiling are covered with acoustical tile. This matches the convex portions and results in a smooth surface throughout. The convex portions are painted with a "sand" paint to provide texture.

Outsidre the office, at the entry overhang, additional plywood is fitted into the concave portions to achieve the same smooth surface.

There is, as yet, no name for this recurved arch system and it is the subject of a contest to create a name.

The recurved arches are flanked by areas of *Trofdek* roof, which are slightly below the level of the arches. Actually, these sections are modifications of *Trofdek*, for the individual *Trofdek* areas span 36′ from plant wall to front office wall, while the recurved arches span another four feet to form an overhang.

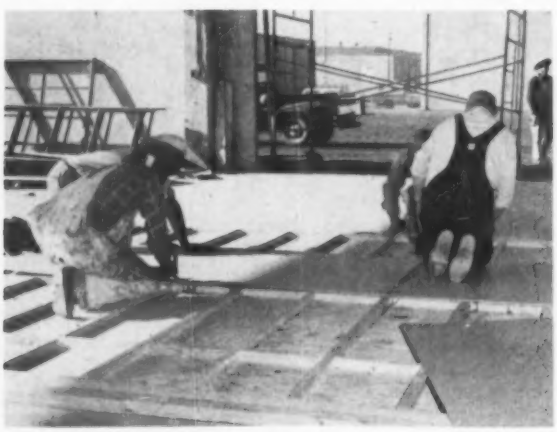
Using modified *Trofdek* construction as it did, the company achieved structural soundness, better acoustics, an interesting and attractive ceiling, and usable openings between roof and ceiling.

The ceiling resembles folded plate construction because *Trofdek* webs become braces and form a gentle angle. Flanges become beams and add both strength and appearance. Webs are inserted where the two *Trofdek* units are joined. The space between ceiling and roof is used as a return air duct for the heating system.

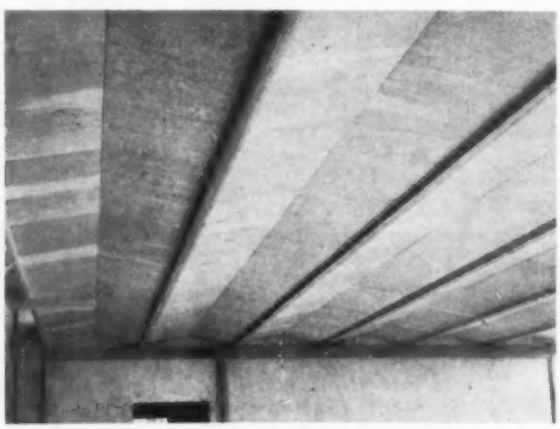
The floor is ¾″ T&G plywood laid over 2x6s and covered with vinyl tile.

The wall is 1¾″ thick; made of panels which are end and edge glued pine overlaid with ⅛″ prefinished hardboard on both sides.

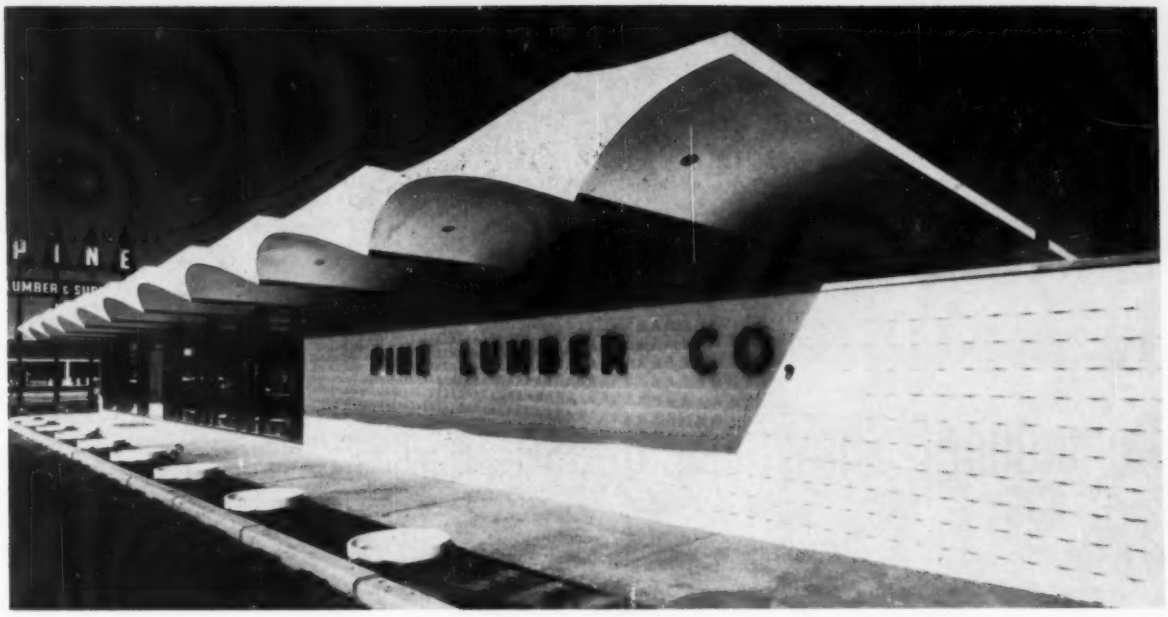
Vertical panels of native stone on the face of the office wall complement the wood and the overall appearance is one of striking blending of form, texture and design. ■■



Overlaid plywood skin is being put in place on door frame. Interior skin has already been applied. Doors were built right at their respective locations or doorways.



Clean design of Trofdek ceiling is evident here. Note support on face of the plant wall. Each of these two ceiling-roof areas is made up of 13 *Trofdek* components.



Plywood Barrel Vault Roof attracts people to lumber yard in Detroit to admire the attractive structure . . . and they stay to buy

A design idea created to show one of the many roads plywood will travel in the future has resulted in a graceful and beautiful retail building that attracts business by its appearance and a citation from an architectural magazine for the building's appearance.

Chester Koppy and Reynold Berti, owners of Pine Lumber Co. on the outskirts of Detroit, contracted Herbert Hawthorne and Denis C. Schmiedeke of Detroit in 1957 for a design of a new store. The architects had, in 1955, seen the barrel vault roof panels that were first used at the Fir Plywood 50th anniversary exhibition in 1955 in Portland, Ore.

They urged Koppy and Berti to use the system in their building. Koppy and Berti thought it too radical. The architects persisted, calling attention to the visual attraction such a roof created for a building material dealer.

So the building was designed with nine full vaults, each 11 feet, 8 inches wide, and two half sections, each 5 feet, 10 inches. The original building was designed to use plywood columns as well. When it was finally erected structural changes were made, some of them involving materials the firm had on hand.

The deck as built covers an area 56 feet wide and 117 feet, 8½ inches long, including 8-foot overhangs on each side and 5-foot, 10-inch overhangs on each end. Each roof panel is 56 feet long and is joined at each end to plywood girders the same length, with a clear span of 40 feet.

The girders have top and bottom chords of 4x10s, framed with 4x4s on 8- and 4-foot centers, depending on location. The 4x8 supporting columns were incorporated into the girder framing during fabrication.

Webs and splice plates of the 3-foot, 3-inch deep girders are ½-inch fir plywood with the face grain parallel to the span.

Vaults have a top skin of two layers of ¼-inch fir plywood powered-stapled and glued to the framing members. Joints of plywood are staggered two feet o.c. A continuous 2x4 laid flat is the center framing members. The bottom skin is the same construction except for a 1½-inch layer of batt insulation inside the vault.

Ceiling side of the vaults is finished with 1x2 redwood battens 4 feet o.c. to conceal the joints. Light reflectors for the fluorescent fixtures are attached to the vault joint.

End vaults, built as half sections, are fabricated differently than the others because of the lack of support on the outer edge, which is closed off with a flat metal facia. Vertical bulkheads of 2.4.1 fir plywood spaced 4 feet o.c. support the vaults and prevent deflection and snaking in this exposed application.

Rippling effect of vaulted roof is supplemented by the effect of the facias which were fabricated from sheet metal. Facias billow out in a 3-dimensional pattern that adds a second visual attraction to the roof line. ■■

Component Showcase House combines plywood and Lu-Re-Co units. Tests show potential for 50% reduction in erection time

Erection of the component research house at a recent demonstration at Champaign, Ill., brought this comment from the contractor, Richard Fackler:

"This was a research, prototype structure, and naturally it takes the construction crew a while to become familiar with the new system. However, if my men were accustomed to the system and the fabricator made a few modifications in assembling the components, we could build this house in about half the time required for conventional construction.

The demonstration was sponsored by the Douglas Fir Plywood Association, Lumber Dealers Research Council (Lu-Re-Co) and Plywood Fabricators Service. The purpose was to show the advantages of building a house with standardized, sub-assembled building parts such as box beams, stressed skin panels, rigid frames, panelized floor system and Lu-Re-Co wall panels.

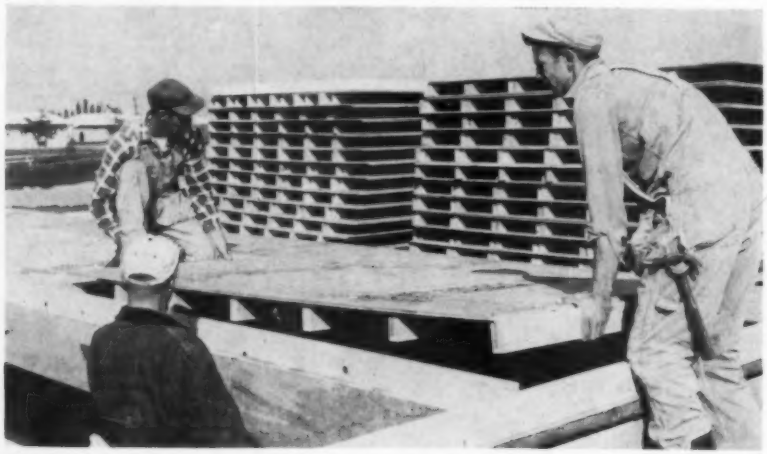
Since it was a demonstration, the house, shown on these pages, contains a group of construction features which would not normally be grouped into one design. The plan is divided into separate wings or zones, each utilizing a different framing method for cost control and comparison features.

Continuity of the siding and pitch of the roof help tie the design together.

The house was designed by Laurence S. Higging, architect for Lu-Re-Co. New components were designed by David Countryman, DFPA's chief of applied research. Box beams, stressed skin panels, rigid frame bents and gable ends were fabricated by Walco Service, Inc., Chesterton, Ind., a member of PFS. Wall panels, trusses, floor panels and garage lintel were fabricated by Thompson Lumber Co., Champaign, a Lu-Re-Co member.

Component systems used are readily available and will fit almost any light frame design.

4 men can put down floor in 4 to 6 hours

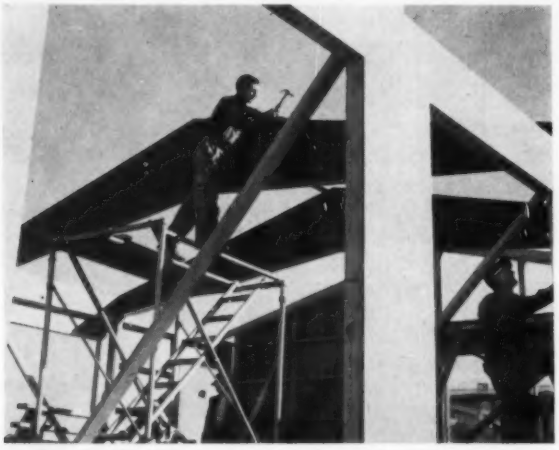


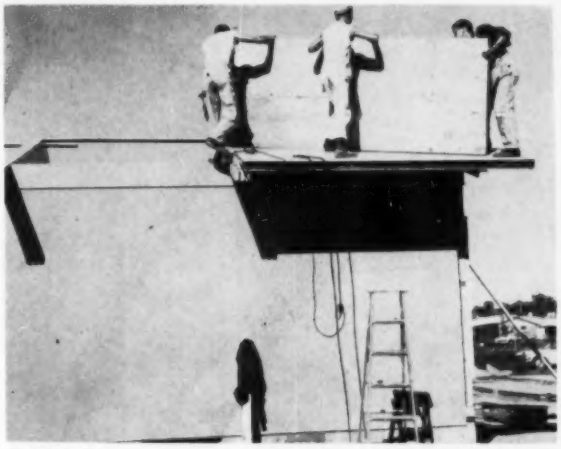
"Instant Floor" system was designed by DFPA's Countryman. The beams, shown at left above, are hollow, lightweight structural units which are 4 feet on center and span either 12 or 24 feet. They are fabricated with ⅜-inch fir plywood webs, glued to 2x4 top and bottom flanges. Depth of the beams ranges from 12 to 16 inches, depending on span. The floor panels, shown going in place at right, are made up with ½-inch plywood nailed to 2x4 framing. They rest on top of the box beams. The plywood extends beyond the 2x4 framing and is nailed to a separate 2x4 spline running along the top of the beam. This spline supports the plywood edge and ties the panels together. There is practically no plywood waste in the method. Fabrication cost 40c a panel.

Walls are modified Lu-Re-Co panels

Walls have one plywood skin nailed to 2x4 framing. Main load-carrying members are 2x4 studs at panel edges. Horizontal 2x4 blocking on 24-inch centers stiffens the panel. Plywood skin on wall panels is ½-inch medium density overlaid type that provides an excellent paint base. Plywood functions as a one thickness combination sheathing-siding. Adequacy of the panel for this use was thoroughly tested in DFPA's lab. A decorative siding effect is achieved by battens on 12-inch centers. Window panels in the walls are Andersen Strut-Walls, a wall-panel wood window.

Roof sections are quickly handled, offer pre-finished beams

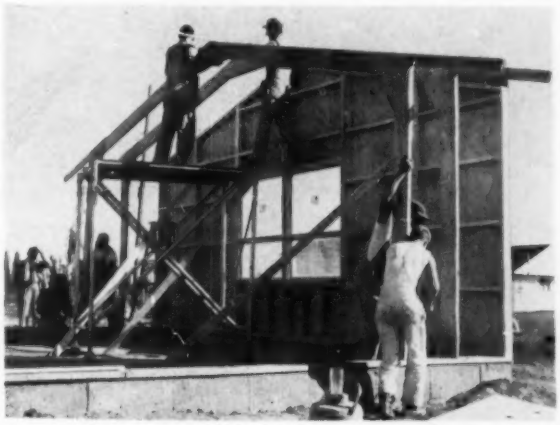




The house has a 3/12 pitched roof. Two-by-four king post trusses with plywood gusset plates provide roof support over the bedroom wing. The roof decking is ⅜-inch PlyScord plywood sheathing with Plyclips. Specially designed, exposed cathedral type box beams on 8-inch centers, shown going in at the left, are the roof supports for the living wing. For ease in handling, these beams are fabricated in longitudinal halves and are joined at the job site by splicing them together with plywood cover plates nailed to top and bottom flanges. A feature of the beams is the walnut-printed overlaid fir plywood which is used for the webs. This provides a prefinished beam which can be fabricated in the shop and put in place without additional finishing. The 5/16-inch walnut-printed fir plywood is pressure glued to 2x4 top and bottom flanges. The printing process used was developed by Reliance Varnish Co., Louisville, Ky. The "walnutized" cathedral beams support a stressed skin panel roof deck. The panels, shown being installed at right, have ⅜-inch plywood top skins and 5/16-inch medium density plywood bottom skins, pressure-glued to 2x4 framing. Each panel contains a 3-inch layer of reflective covered glass fiber insulation. Bottom skin of the panel is the exposed ceiling of the living room. Panels form the roof of the kitchen-utility area, but span 13 feet, 6 inches plus a 4-foot overhang.

2-car garage is component unit

Pre-assembled rigid frame bents made up with 2x8 framing and ⅜-inch plywood gusset plates are spaced two feet on center in erection of garage. They are covered with ⅜-inch PlyScord roof deck, with Plyclips. These bents are fabricated in halves and joined at the site with a nailed crown gusset. Garage lintels are made up with one ½-inch medium density plywood skin nailed to 2x4 framing. It spans a 16-foot garage door opening. This nailed component can be fabricated by Lu-Re-Co dealers. The gable ends also have a single plywood skin on 2x4 flanges, but are of glued construction as they carry a heavier load. ■■



Folded Plate is distinctive, and quickly installed.

First folded plate use was in thin shell concrete. The system can be used with any material capable of being locked together in a continuous plate. In plywood's case, a combination of panels and framing lumber goes together to make what is, in effect, a single sheet. Fabricated in folds, it is capable of spanning distances impossible for the same material in flat application.

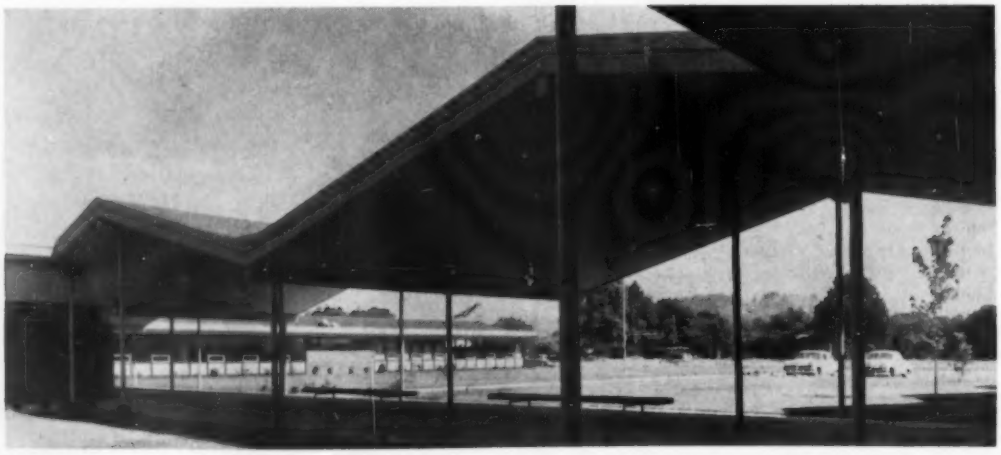
The stressed-skin panel, a sandwich of two plywood surfaces and framing lumber, glued and nailed together, sometimes with an insulation filler, lends itself to folded plate particularly well.

This roof is appearing on an increasing number of structures. Several are shown here.

Luxury motel on St. Clair River in Michigan is one of the first such uses of folded plate. Fisherman's Wharf has 49 of the stressed-skin fir plywood panels in its distinctive roof. They range in length from 45 feet, 8 inches, to 65 feet, 5 inches. They provide 26½ feet of clear span and 16 feet of cantilevered overhang.

Teen-age center at Rockville, Md., was built with folded plate for the sake of economy and esthetic appearance. The entire building, including architectural fee, was erected for only $30,000.

Luxury home in Denver, Colo., costing $50,000 was designed with folded plate because the system offered greater interest both inside and out than a flat roof, and because of a "continuity of height and volume" gained.



Junior high school in Springfield, Ore., features folded plate roof on both its gymnasium and a covered walk from the main building. Spans are 20, 26 and 34 feet. ■■

Vault Roof is inexpensive yet strong . . . and graceful in appearance

A variety of methods can be used to apply vault roofs. Several types of arches and arch supports are used.

The simplest is to nail plywood sheets over ribs. However, stressed-skin panels are much more quickly applied, since the big units need only be lifted into place and fastened.

In longer and wider spans, vaults take on relatively massive proportions which still preserving, in comparison with other materials, their characteristic lightness and strength despite a fragile appearance.

Recent applications have ranged from single layers of ⅜-inch plywood over ribs to 6-inch thick vaults fabricated from seven laminated layers of ⅜-inch PlyScord as a top skin, ribs of eight ⅜-inch laminations and a ⅜-inch bottom skin.

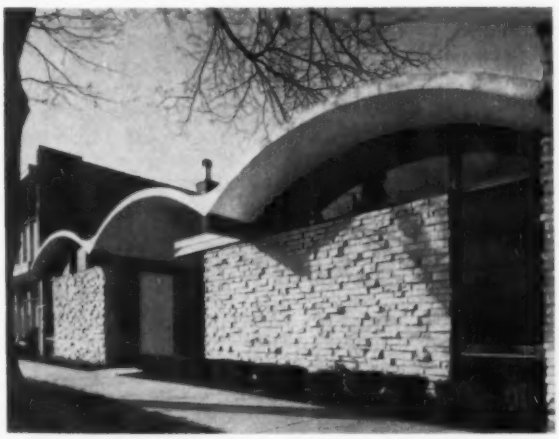
In-place costs are close to those for conventional roof lines.

More vault roof components are certain to become available and it is likely that the roof line will find increasing use in home building.

An architect's use of plywood vaults in his own office in LaGrange, Ill., provides the interesting structure pictured above and to the left. Architect Arnold L. Larsen provided an open area in one of his vaults to allow a birch tree to reach through, as shown in the picture above.

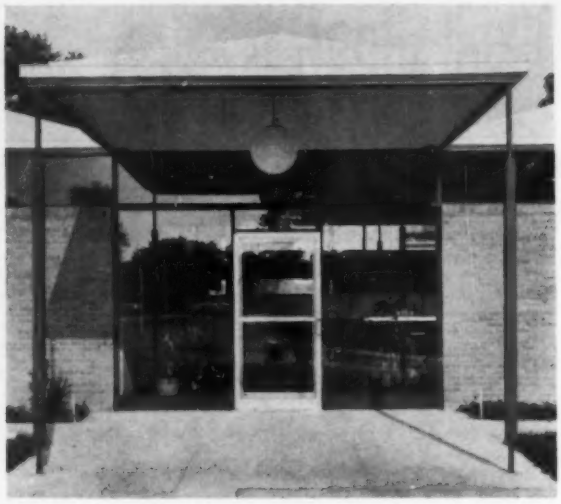
Three stressed-skin plywood vaults were used, as shown in picture at left. Each spans 16 feet, 4 inches. The curved panels, segments of a circle with a 15-foot, 5-inch radius, were fabricated in 4-foot widths. Ten ½-inch layers of plywood were laminated together over a form, then cut into 2-inch wide ribs. The ribs, 16 inches o.c. and rock wool insulation are sandwiched between top and bottom skins of ¼-inch fir plywood to make up the 5¼-inch deep panels.

A 4-ply built-up roof was applied over the panels. Engineering data for the panels was supplied by the Douglas Fir Plywood Association. The panels were fabricated by a member of Plywood Fabricators Service under rigid controls.



Loading facilities of Medosweet Dairies in Seattle, Wash., have ample space with few supports through the use of vaulted plywood roofs. The roofs provide shelter for 48 trucks. ■■

Pyramids of plywood form roof requiring minimum visible support.



An usual bank roof in Hope, Ind., consists of 13 pyramids. It is a radical department from the Victorian hip roofs of its neighborhood . . . it is also a building with a lightness and airiness that are the product of an almost invisible system of room supports possible with the plywood pyramids.

The building is made up of three rows of four bays each, as shown in picture at left. The 13th bay is atop the entrance, above at right.

Each pyramidal roof assembly is constructed of four triagular stressed-skin fir plywood panels. These consist of a top skin of ½-inch exterior C-C and bottom skin of 5/16-inch medium density overlaid plywood glued and nailed to lumber framing. Base of each triangle is 13 feet.

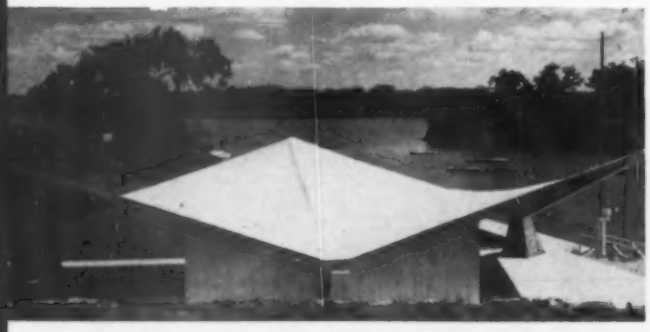
Panel edges are beveled and joined to make a pyramid by means of ¾-inch by 1½-inch plywood spline at the midpoint of the edge.

Each pyramid rests on 1½-inch steel tie rods which are supported at the corners by 1½-inch square steel columns. Four-inch square metal tubes, filled with concrete, enclose the columns except for the first six inches above the floor and the final two feet below the pyramid corners.

Partitions are built between the tubes, leaving space above the floor and below the ceiling. The thin steel bar is almost unnoticeable. Around the perimeter of the building the columns appear to be narrow window framing, giving the effect of an unsupported roof.

Architects Harry Weese & Associates, Chicago, say the support system was possible because the pyramids work as trusses for their own support. ■■

Hyperbolic Paraboloid



New storage pavilion of the Shawnee Yacht Club, near Topeka, Kan., is a double hyperbolic paraboloid. Two layers of ¼-inch exterior fir plywood, laminated with face grains at right angles form the combination deck and finished roof. A back-up board held against the underside of the roof was used while driving ring-shanked aluminum nails through the two panels. Protruding nails were then clipped. Perimeter supports are made up of three 2x10s tapered toward the high corners. The center beam joining the two halves of the roof is constructed of four 2x10s spiked together. Roof perimeter is 24x48 feet. ■■

New Geodesic Dome

Newest geodesic dome, developed by Pease Woodwork Co., Hamilton, O., consists of 19 triangular panels of medium density overlaid fir plywood, supported by a framework of tubular steel arranged to shade 365 square feet of yard space. It is called a Canopy Dome, is 23 feet in diameter and comes in a kit. Overlaid plywood is 5/16-inch exterior; framing is 1⅝ by 3 kiln-dried Douglas fir. The Douglas Fir Plywood Association has commissioned Geodesics, Inc., Raleigh, N. C., for further studies. The firm is working on a unit that would depend upon small plywood hyperbolic parabolids joined together. ■■

Stressed-Skin Panels

are basic building blocks of plywood component construction system.

Produced in a wide variety of shapes, sizes and thicknesses, these panels are winning wide acceptance because of an equally wide variety of advantages.

Stressed-Skin panel, in its most simple form, is two plywood sheets glued and nailed to lumber framing sandwiched between them. For special jobs, insulation or other material is included as part of the sandwich filling. On others, one or both surfaces are fabricated of medium density overlaid fir plywood, to provide a top-grade painting surface.

For some uses, the panels are fabricated as curves or joined in continuous folds for folded plate roofs. In other applications the panels are designed in triangular shape, or other less common forms. But, like the plywood panel, the biggest number of stressed-skin panels go into construction as flat rectangles.

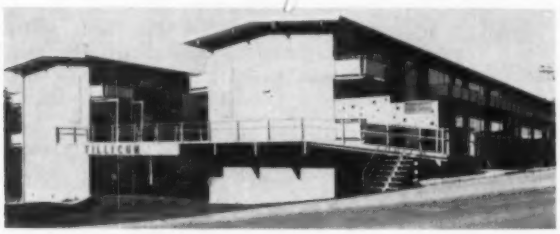
Speed of Erection. The most obvious advantage provided by the panels is, of course, speed of erection, the same as with other components. But since in many buildings the panels provide finished outside and inside surfaces, as well as wall, floor or roof framing, depending on location, the savings in labor are made in more than one building area. In addition, it is possible to pre-finish some panels, either by the use of finished siding as one skin, or by the application of acoustical tile or other material to the usual skin surface.

Another good reason for using these carefully-engineered panels is their strength. Stressed-skin components provide much more strength than conventional construction at far less cost in materials because of the stress forces set up by the interplay of rigid plywood surfaces with glued joints. Deflection, even under multiples of design loads, is almost nonexistent.

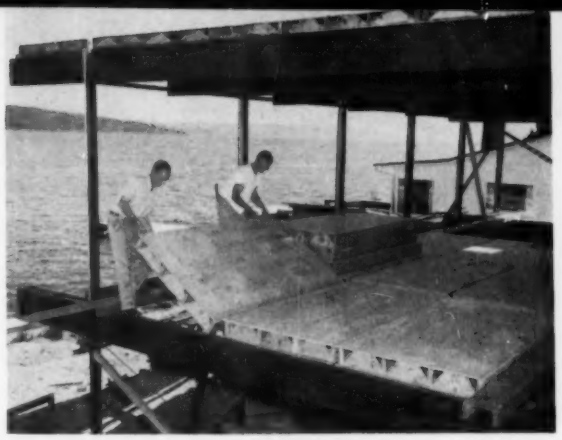
Economy. What most of the reasons for using these components boil down to, however, is economy. In the past, many builders have kept separate books—if they've kept any at all—on the costs of labor and building materials. Now, following the lead of other industries, they are combining all expenses in a cost-per-unit set of books. When a new factor that affects both labor and materials costs is injected, it quickly makes itself felt. Stressed-skin panels sometimes increase the materials costs, but they invariably reduce labor expense, the biggest single item in any job today.

For some jobs, however, where performance is the aim, with relatively little attention paid to costs in initial planning, stressed-skin panels are winning out over other, competing, materials.

As more uses are found for building components made from fir plywood, the biggest number is going to require stressed-skin panels in some form.



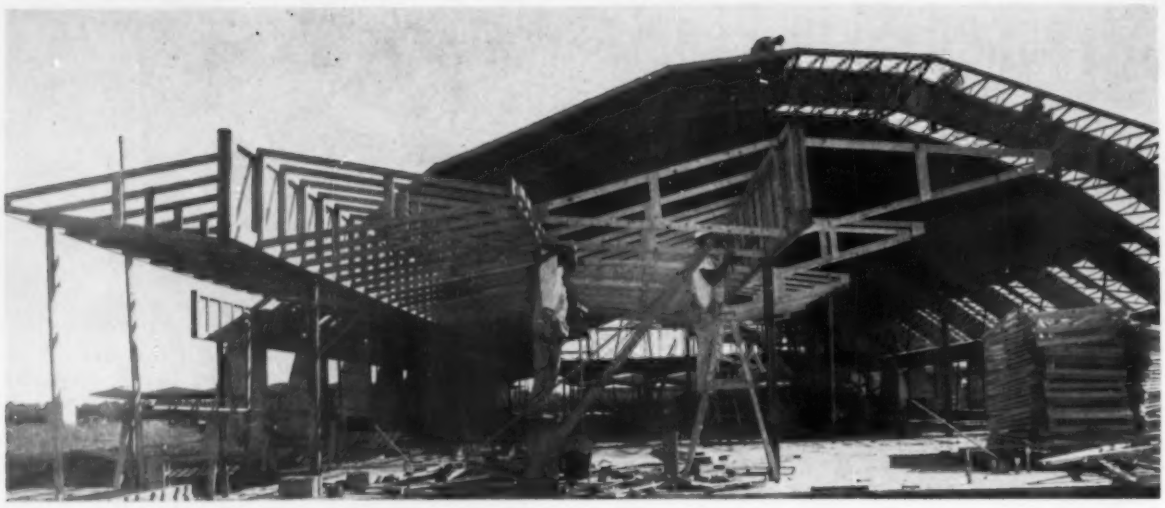
Apartment at Winslow, Wash. used panels with C-D top skins and A-C bottom skins for both roof and floors.



Lakeside home north of Seattle, Wash., used panels for two purposes at once: those for the floor of the second story also made the ceiling for the covered area, and roof panels provided a ceiling surface for the house.

Sheltered area at swimming pool in South Tacoma, Wash., includes panels 20 feet long in 4-foot widths. The 12,000 square-foot roof area of sandwich panels was laid over glue-laminated supports.

Sidewalls in a dairy barn addition in New York utilized non-load-bearing 4x7-foot panels with 5/16-inch C-C exterior fir plywood skins. C-C exterior panels are unsanded but are waterproof-structural. ■■



Space Frames borrow on the design of an airplane wing to provide

Space frames consist of central truss of two layers of ⅝-inch plywood and top and bottom flanges of 2x4 and 2x6 lumber. Ribs consist of 2x3s 2 feet o.c.

Doodling of an architect, likely influenced by airplane design, two years ago has culminated in development of an unusual structural shape of very practical worth in building.

Members of the Architect Associates staff of Wichita tinkered with the "doodle" early in 1958 and came up with a new space frame building component that appealed to them from both an esthetic and a practical standpoint.

Mock-ups followed and the idea still looked good. The architects incorporated the idea in a small school where it proved workable. Then followed a bigger job, Oaklawn area junior high school in Wichita, from which the pictures on this page are taken.

In this school, frames were designed to span 32 feet in the classrooms and, using multiples of the basic unit, 80 feet in the form of an arch over the gymnasium. Roof deck for the classroom building is 107 feet, 6 inches by 100 feet, with an 8-foot overhang all around.

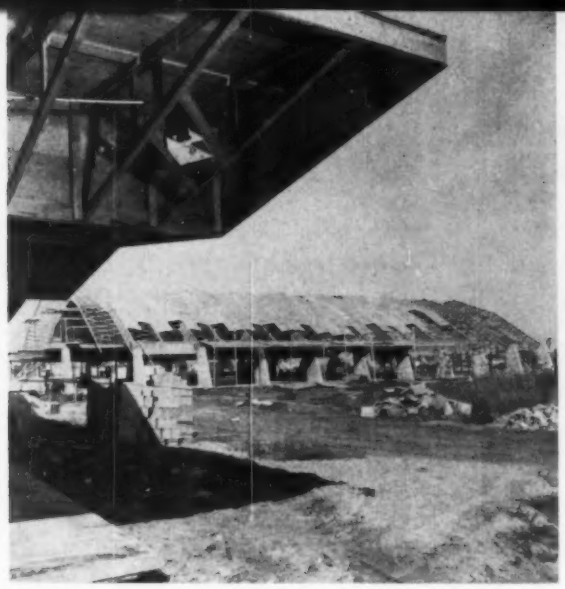
Space frames. Framing for the space frames closely resembles the skeleton of an airplane wing and, according to engineers, stress distribution is handled in much the same way.

The center spar for each unit consists of two layers of ⅝-inch fir plywood with staggered joints, nailed and glued. Made like an I-beam, the spar has top flanges of continuous 2x4s and bottom flanges of 2x6s, also continuous for the unit's length.

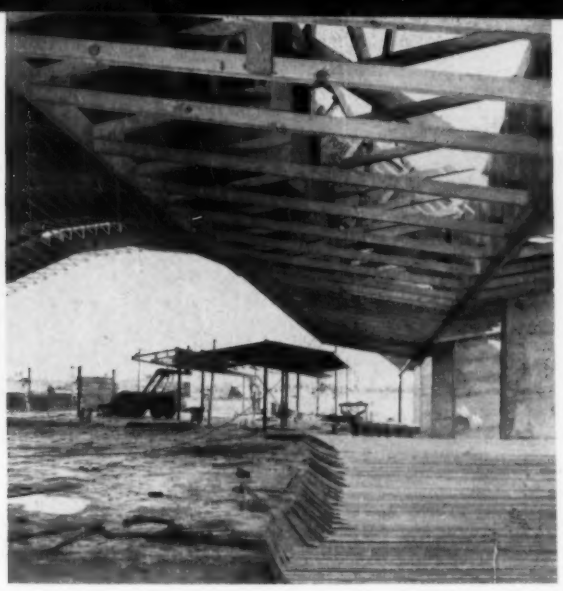
Fins originally were made from plywood, but difficulty in getting an economical number from a sheet forced the designers to modify specifications. The junior high school frames have fins built from horizontal members of 2x3s, joined with 1x4s, placed vertically halfway along the fins.

Bracing members at the spar are 2x3s, with 6-inch gussets of ⅝-inch plywood at the outer ends of the fins. A 2x5 edger runs along the ends of the fins, which are 2 feet o.c. All points are glue-nailed.

A typical unit is 15 feet, 10 inches wide. With the addition of the edger, the frames measure 16 feet from



Standard plywood sheets are applied over and under the space frames creating an appearance of gentle waves.



Close-up underside view of space frames in the gymnasium structure. Plywood sheets will be added.

building components to span long distance with interesting new form.

tip to tip and, in the classroom applications are supported 10 feet o.c. by 4-inch steel posts at the center of the frames.

Cross-framing of 1x6s was used on the classroom frames, but replaced with bottom skins of 5/16-inch plywood on the arch units. The top skin used in both cases is ⅝-inch plywood. Where the plywood skins join at the peaks and valleys of the frames, 6-inch wide covers of 26-gauge metal were used. Built-up roofing was applied over the plywood skins.

Exposed frame end treatments varied. For the classroom building, exterior type A-C plywood, 5/16-inch thick, was applied pre-primed for painting. The arched building has an almost completely glassed front, but ends of frames there and at the rear of the building are medium density overlaid 5/16-inch plywood. All these surfaces will be painted.

Considerably more plywood was used in the two buildings, but all of it in ordinary applications.

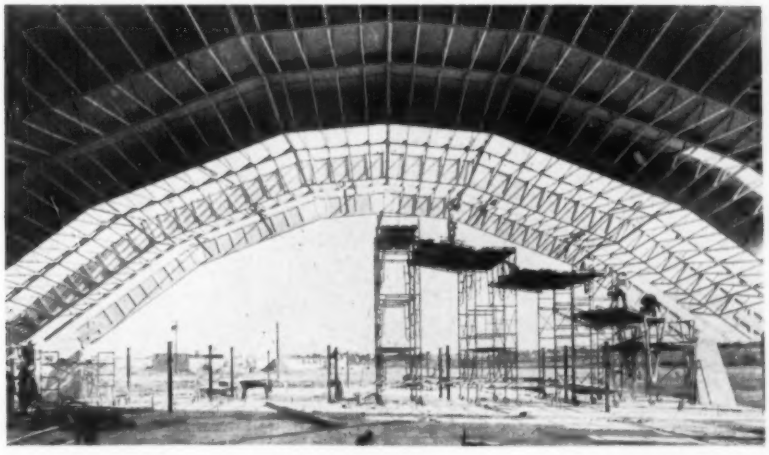
Economy and beauty. Arthur Woodman of Architects Associated said the frames were developed for two reasons: economy and beauty. "So far as economy is concerned, even my fondest hopes were exceeded," Mr. Woodman said. "The buildings went together much faster than we had expected and labor costs were cut considerably."

The architects have made extensive use of steel beams and heavy wooden members in similar buildings and find the in-place cost of the two methods about the same.

"But there is no comparison in flexibility. The open areas within the frames make wiring and heating installation simple and acoustical qualities appear to be worth while. The ceiling shape we get with these components definitely helps with light distribution and the thin supports permit wider windows closer to the ceiling level.

"The shape itself is worth something," Woodman feels. "Any time you can get away from the mundane, especially in a building that children will use, you're making an addition to the worth of the thing."

Components for the building were fabricated by the St. Clair Manufacturing Co., Wichita. ■■



Span of 80 feet is possible in gymnasium through the use of space frames. Concrete piers 16 feet o.c. provide base support for the entire structure.

"Circus Tent of Learning" is circular school addition with no corridors. Plywood, glulams help hold cost to $11.85 per square foot.

View of multipurpose room showing how roof is supported by glulam beams converging at plastic skylight.

Outdoor annex has benches and cistern and planting to delineate areas. Curved brick screens are opposite every other bay. Doors have brightly painted grade numbers.

A sloping, umbrella-like roof, crowned by a gaily-colored dome, covers the 14,400-square foot classroom and multipurpose addition at Madison elementary school in Tacoma, Wash. The multipurpose room is the core of the circular structure; eight classrooms radiate out in blunt pie sections. The multipurpose room doubles as a corridor between classrooms and to the front entrance where washrooms are located.

Architect is Robert Billsbrough Price, Tacoma.

Twenty glue-laminated 5½x7½-inch columns around the perimeter and 20 more 33 feet in from the outside edge support cantilevered glue-lam beams that overhang 23 feet, 6 inches over the multipurpose room. The inner ends support the glue-laminated ribs of the dome, which is made of alternate pie-shaped sections of red, blue, yellow and clear plastic.

The beams overhang 6 feet at the outer edge for a total length of 62 feet, 9 inches. Roof decking of ½-inch exterior plywood is laid over 2x10 and 3x10 roof joists 16 inches o.c. Built-up roofing is over ¾-inch rigid insulation and soffits are ½-inch fir plywood.

The inner circle of columns marks the line of inner walls for the classrooms. The lower portion of these walls is painted ½-inch fir plywood, with jalousies and crystal relights alternating on the upper portions.

Interior partitions, which serve as shear walls between classrooms, are nearly all fir plywood with special surface treatments. A typical partition has the following progression of materials: ½-inch gypsum board; 2x4 studs; 3-inch insulation; 5/16-inch plywood sheathing (which acts as a diaphragm for seismic loading), and another ½-inch gypsum board. Other partitions are surfaced with perforated hardboard, cork tile or chalkboard.

The exterior spandrel wall of each classroom consists of two 18-foot bays. One is glass from floor to ceiling, except for the door. (Doors in each classroom eliminated the need for fire-rated walls, as well as cutting interior traffic.) The other has black-painted medium density overlaid plywood over plywood sheathing below the windows, which start 2 feet, 6 inches above the ground.

Huge, brightly-painted grade numbers identify each door and add to the cheerful appearance of the exterior.

Brightly-painted movable cabinets built of ¾-inch fir plywood were made for each room and do double duty as room dividers.

On the outside, a covered walkway runs from the main entry to the existing school nearby. ■■

Folded Plate Solves Design, Site Problems

Several design and site problems faced architect Felix M. Warburg, San Rafael, Calif., in planning two matching buildings for the new Raccoon Straits Maritime Center at Tiburon, Calif.

- The site was reclaimed land with 8 feet of compacted fill over 60 feet of bay mud so the structures had to be light and what weight there was distributed evenly over as wide an area as possible within site limitations.
- Site was surrounded by hillside homes so appearance from above was a factor. A conventionally-designed building would have little eye appeal.
- Large open spaces requiring long spans were specified in each of the two buildings, and, as in all construction, economy was a factor.
- Tenants were signing up faster than the owner had hoped so quick erection, consistent with good construction was imperative.

Two buildings were designed, each incorporating two sizes of folded plates. The store and office building is 28 by 112 feet in size with an overall height of 22½ feet. The boat showroom is 48 by 56 feet and 25 feet high.

The foundations are three-inch floating waffle slabs on 12 by 12 inch grade beams running in a four-foot grid pattern. Reinforced concrete footings go down 12 inches. Concrete walks were extended 10 feet below the building line to help distribute weight.

The vertical framing for the first floor is 4x6 posts spaced 4 feet o.c. The second floor posts were spaced 8 feet o.c. and steel yokes to receive the panels attached to both sets of posts.

Floor joist panels for the office building were fabricated in 40-foot lengths, those for the showroom in 46-foot lengths. All the components were fabricated and installed by the Berkeley Plywood Co. of Oakland.

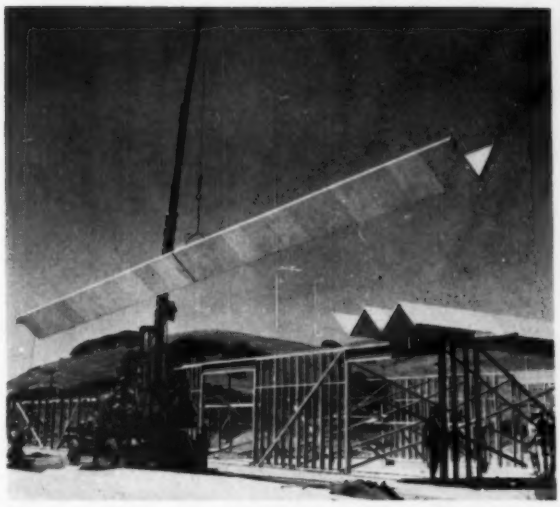
Floor joist panels were fabricated from ⅜-inch fir plywood with exterior glue lines, A-C where exposed and C-D where not. The 2-foot, 10-inch wide panels were framed with 2x4 lumber and insulation was placed inside before the second skin was glued in place.

Span of the shorter panels is 28 feet, that of the 46-foot length 40 feet, with 6-foot overhangs outside the buildings.

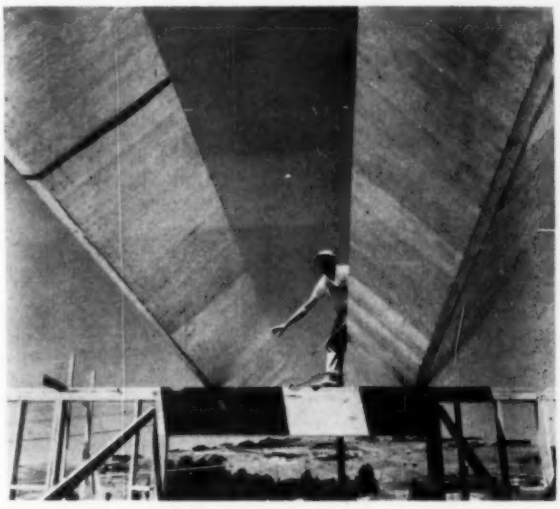
Two panels were butted together to make a V-shaped component, which was hoisted into place and bolted to the yokes. Distance between valleys of the floor joist folds is 4 feet. To provide space for piping between floors, 2x6s were laid 16 inches on center over the floor panels. A ⅝-inch plywood floor went over the 2x6s.

Panels for the two roofs are of the same construction and, on the office and store building, the same length. But these panels, supported 8 feet o.c., are six feet wide and on the larger building are 70 feet long to span the entire width. The shorter floor joists create a mezzanine set back 16 feet that leaves an area of full height to allow the display of sailboats with stepped masts.

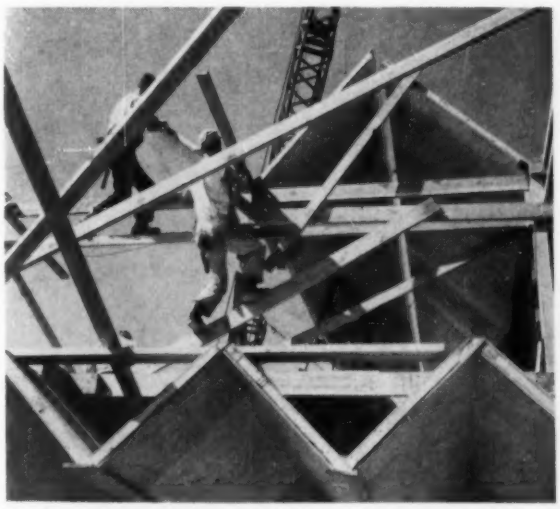
The larger building has a walkway built on the floor joist overhang, thus eliminating a space-consuming interior hallway. A ½-inch fir plywood deck coated with epoxy resin is laid over 2x4s 16 inches o.c. ■■



Crane quickly moves folded plate section into place.



Folded plate section is made of stressed-skin fir plywood.



Plates serve as both roof and floor joist members.

Leisure Home Market Potential Growing

A new market for fir plywood was born in late 1957 when DFPA Managing Director W. E. Difford gave the go-ahead for a promotion campaign to sell the idea that every family needs two homes—one in town, and another for vacations and weekends. Eighteen months, 400,000 inquiries, and several hundred leisure homes later, the program has exceeded even the DFPA's most optimistic hopes.

Despite the almost startling response which the DFPA second home program has attracted, the association feels that the surface of this market is just being scratched. One authoritative trade magazine estimates that 75,000 vacation homes were built in 1959, despite the "tight money" situation. The momentum of the second-home trend suggests that this annual rate may be doubled in less than five years.

The association has designed a dozen cabins to suit every type of budget and taste, and five more are presently on the drawing boards. They have also launched an intensive fact-finding campaign designed to get the answers on the best methods of promoting, building, and financing second homes.

Two leisure homes for which plans are now available are pictured on these pages. Both are designed so that the owner can erect them in stages. The Oberby Cabin is shown at right, the Parade Cabin below.

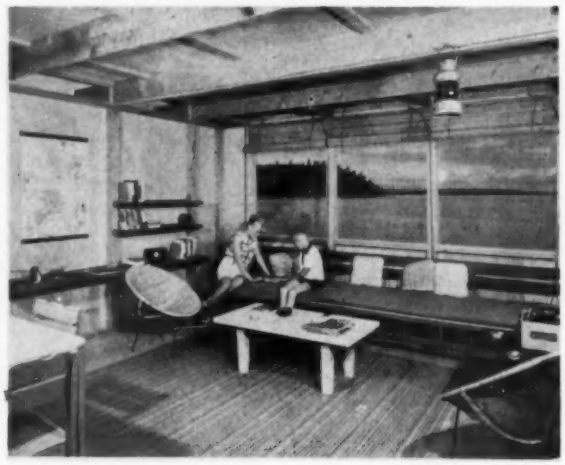
DFPA is co-operating with land developers, finance agencies, real estate brokers, lumber dealers, prefabbers, and builders in many areas of the country. The association plans to intensify its effort to establish fir plywood as a primary material for construction of the second home, and to maintain DFPA's position of leadership in this important new market.

OBERBY CABIN: A Simple Leisure Home

First stage. Simple beach or mountain cabin will provide an improved camping site with plenty of storage space. Full-size sheets of plywood are utilized as much as possible to cut down on cutting and fitting. The amateur carpenter can easily follow simple instructions.

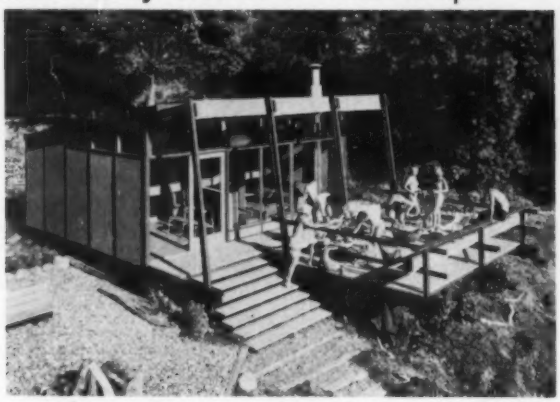
PARADE CABIN: Simplified Design Allows the Owner to Build His Own Beach or Mountain

First stage. Roomy design is achieved economically with two plywood boxed linked together with an open living area which can be covered with an awning or left exposed.



This stage would cost $3200 plus septic tank and land. The exposed surfaces of exterior plywood allow temporary use of the building in this form.

That is Easily Erected in Three Steps

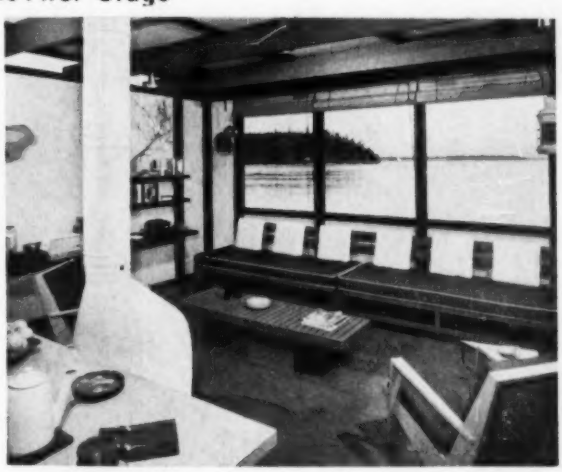


Second stage. More comfort and beauty are added, along with appliances, plumbing and lights. Screening is added to covered deck area and interior is finished in more detail. Material cost is about $1220. Another $400 would have to be added if the carpentry work was contracted.

Third stage. Screens are replaced with panels and glass, a fireplace is added and floors are finished. Necessary materials would cost about $1250 and labor would run an additional $250. The result is a luxurious small leisure home that needs only insulation for year-around use.

Hide-Away. It's Livable Upon Completion of the First Stage

Second stage. The addition of $1060 worth of finishing materials, including a prefabricated fireplace and flooring materials provides a leisure home which can be attractively finished. Everything is designed as simply as possible with only basic tools and rudimentary knowledge of construction required to build the cabin. ■■



Rigid Frame Farm Buildings are economical and can be erected

The farm market presents some unique problems for any building product. This is particularly true when the product is, like fir plywood, something that is used to best advantage in skillfully-engineered applications. To take most advantage of your product's abilities, you must apply design information that can be put into practice with tools and labor readily available to the farmer.

The Douglas Fir Plywood Association has done just that with rigid frame buildings that combine spaciousness and economy in a practical way that fits the needs of the farm market. The engineering is translated into understandable terms of nailing patterns and sizes and grades of structural material.

All the farm builder needs to erect a rigid frame building is a reasonable amount of building know-how, the ability to follow simple directions and a minimum number of standard tools.

The basic unit of rigid frame construction is an arch made by rigidly joining four straight pieces of lumber with nailed fir plywood gussets to form a load-carrying unit. Combined with large panels of fir plywood for siding and roofing, structures of any length can be quickly erected.

While the system can be applied to virtually any type of building, it is particularly suited to farm construction because its parts can be easily pre-cut, assembled and erected by unskilled farm labor.

Dutch lap roof was used on poultry house of Erne and Henry Fors in the Tacoma area. The ⅜-inch C-C exterior fir plywood panels are lapped both ways, along the bottom and one side. Lapped edges face north, away from the prevailing winds and have been sealed with a non-drying mastic. This system is more difficult to lay, but eliminates the need for plywood battens.

In addition to economy and ease of construction, the system has several other inherent advantages.

A major one is the elimination of sub framing and, with it, the close fitting of material. The frames are spaced 2 feet on center and covered directly with plywood sheathing.

The comparatively flat pitch of the roof eliminates material wasted in buildings of unnecessary height, but still provides plenty of headroom and air circulation space.

The installation of doors, windows and ventilators is greatly simplified, with only slight modifications required in siding and roofing for their installation.

While these frames fit the descrip-

Bent Box Beam Arches support new type farm building erected

4-H display barn at Southwest Washington Fair Grounds, Chehalis, Wash., was erected for $6000, complete with plumbing, wiring and asphalt flooring.

A lot of hard, devoted work by a group of teen-agers, enthusiastic support by their elders, and design assistance from the Douglas Fir Plywood Association have combined to create a new, low-cost type of farm building.

The "rigid-arch" structure was built at a 4-H livestock display barn at the Southwest Washington Fair Grounds at Chehalis, Wash., and is the first of its kind in the nation.

The building encloses an area 40x-96 feet, is 24 feet high at the peak and has 16-foot sidewalls. The integrated roof and wall supports are clear span.

The arches are bent box beams fabricated with 2x4 chords and stiffeners and with webs and splice plates

by unskilled labor.

tion of "component," they do not require the gluing normally associated with component building.

Plywood and other materials needed for construction are widely available, and cutting is kept to a minimum, eliminating the need for a myriad of tiny parts and careful fittings.

The absence of interior load-bearing walls increases the versatility of the buildings and also contributes to their attractive appearance.

The installation of insulation is simple.

Foundations can be anything from post and beam to concrete slab, with the reservation that engineering requirements for load stress be followed.

A booklet prepared by DFPA on rigid frame construction spells out in simple form the materials and nailing schedules that go to make up a reliable building. Angles of cut, sizes and thicknesses of gussets, grades and types of plywood all are covered.

Sheathing practices also are fully covered, with technical reasons for following them, and with honest reservations about the use of certain grades of plywood in exposed applications. The result is an honest presentation that will be a big help in building confidence among farmers.

The system itself was developed by Canadian engineers, then refined by DFPA experts. In certain modifications, plywood is the only material that can be used for sheathing and roofing because of the need for diaphragm action.

Once the frames, fabricated by the farmer in two sections and then joined at the center with a third plywood gusset system, are in place, sheathing and roofing go on quickly.

There are at least three ways of applying the sheets, all of them covered in detail in the DFPA booklet. One involves the butting of sheets, with non-drying mastic and battens on the roof; the second calls for lapping sheets, like giant shingles, and the third method laps sheets on two edges for roofing.

In practice, the rigid frame is working out very well. ■■

Poultry house built by Howard Morris of Tacoma, Wash., is 40x225 feet, cost 67 cents per square foot. Prefabricated arches were raised in place 2 feet o.c., then covered with ⅜-inch C-C Exterior fir plywood. Legs and rafters of the rigid frames are 2x10s connected with ⅜-inch fir plywood gussets nailed on both sides. Ventilation comes from ridge vent and full bank of windows.

by 4-H clubbers.

of ¾-inch C-D fir plywood with exterior glue. Gussets of ⅜-inch C-D join the two units of each arch at the ridge. All joints are glue-nailed. The arches were erected on eight foot center. Ridge chord is a 2x6, rafters 2x4s. Sheathing is all C-C exterior fir plywood.

Money came from a drive conducted by some 550 4-H members.

DFPA engineers designed the beams at the urging of George Osborne, a Chehalis builder, who convinced sponsors of the building it should be made of wood instead of competing aluminum or steel. The plywood structure erected by Osborne proved more economical and more practical for the purpose.

Roof and walls are supported by 13 specially-designed fir plywood rigid arches engineered by the technical department of the DFPA. ■■

Many Species Dress Up New Office Building

Although the impressive 20-story Commercial Credit Building, first important office structure to rise in Baltimore, Md., in the past twenty years, is clad in aluminum and glass on its handsome modern exterior, its interior walls feature some of the most beautiful wood paneling ever collected in one building.

The combined skills of United States Plywood's famous Algoma mill—an industry leader in laminating architectural panels—and Baltimore cabinet maker Knipp & Co., provided this impressive array of wood work.

Architectural veneers used range from a rare highly figured flitch of white birch, normally an almost unfigured wood, to exotic coffeetree wood, whose soft brown tones and strong markings lend distinction to Commercial Credit's guest dining room.

Designer J. H. Leroy Chambers, A.I.D., has used the warm, natural beauty of wood in office after office throughout the distinctive interior to set the theme. In the handsome board room, for example, a magnificent flitch of Brazilian rosewood with tones ranging from deep brown to violet sets a note of richness.

Meticulously matched by U. S. Plywood's Algoma craftsmen, the many flitches of teak employed range from superbly figured veneer in the board room lounge to

Brazillian Rosewood is blueprint match on walls of the board room. White outline below portraits is storage area. Conference table is also match rosewood.

Reception room entrance is paneled above chair rail with Georgia-Pacific's matched ¼-inch prefinished walnut plywood, below with G-P's mis-matched walnut plywood. Ceiling is of 16-inch rotary-cut white ash squares leveled on four edges to give two V-joint tile effect. Ceiling material was manufactured by Weber Veneer & Plywood Co., Shawano, Wis. The floor consists of 9-inch oak blocks of ½-inch prefinished hardwood plywood manufactured by E. L. Bruce Co., Memphis, Tenn. Matched walnut doors are from The Mengel Co., Louisville, Ky. The walnut desk is from Stow Davis Co., Grand Rapids, Mich.

HPI Headquarters

Office spaces are completely paneled in American hardwood plywoods, floors are all plywood-block, ceilings are finished in plywood, flush doors throughout match the paneling of the rooms in which they are installed, and even the rest rooms feature full plywood paneling in the new headquarters building of the Hardwood Plywood Institute in Arlington, Va.

Office furniture is also basically of plywood construction.

Much of the plywood use is pictured here. Not pictured is the general office area which is paneled with 4x10 prefinished birch panels with sliced cypress plywood overlay in a diamond pattern. Cypress used came from Bradley Plywood Corp., Savannah, Ga., and was processed by Algoma Plywood & Veneer Co., Algoma, Wis. Plywood oak blocks for floors came from Perry County Plywood Corp., Beaumont, Miss., and birch doors from Owens-Illinois Plywood Corp., North Troy, Vt.; laminated hardwood door knobs came from Corbin Lock Co.

Warmth to Building Interiors. Here are Two Good Examples.

Matched teak runs in an unbroken design across the walls and doors of a senior executive office. Recessed spline treatment is employed at the joints.

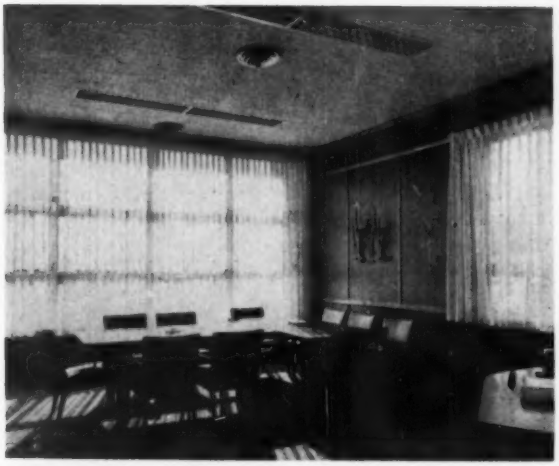
Red birch on curved wall is cafeteria provides backdrop for planters. The tables and chairs are also finished in red birch to bring out figure in wall grain.

subdued, quietly marked veneer in pale brown-gold tones in many of the executive offices.

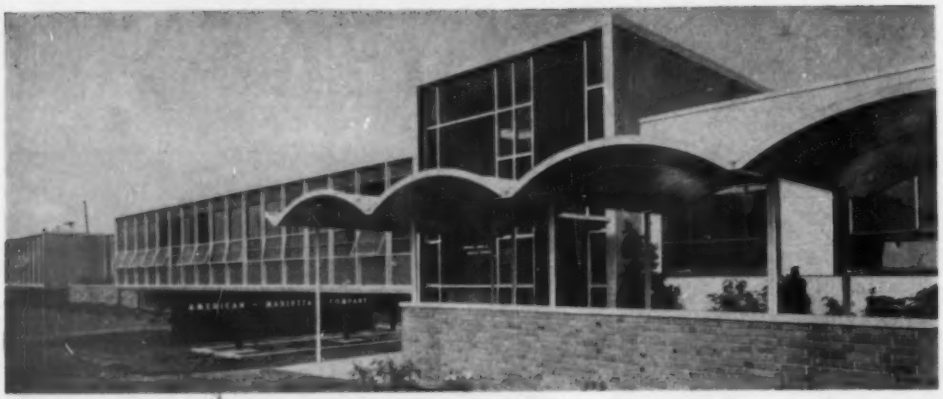
In the employee cafeteria and men's lounge, the striking grain and the faultless matching of the architectural red birch is outstanding. Here the eight-foot-high spear-like "hearts" march across walls and door with amazing precision.

Even the building's corridors are dignified by sliced walnut, again blueprint matched, which sheathes the walls and perfectly matched Weldwood doors. ■■

Serve as Showplace for Hardwood Panels



Managing director-board room is paneled with ¾-inch lumber core matched cherry plywood prefinished and produced by Roddis Plywood Corp., Marshfield, Wis. Cherry mouldings were manufactured by Oshkosh Wood Products Co., Oshkosh, Wis. The desk and storage cabinet are of cherry plywood framed in walnut and were manufactured by Alma Desk Co., High Point, N. C. Chairs and tables are from the Stow Davis Manufacturing Co., Grand Rapids, Mich. Doors are also cherry, were furnished by The Mengal Co. Even the electrical switch plates are cherry. They were supplied by Jackson Manufacturing Co., Dallas, Tex. ■■



Entry way is focal point of new building. It combines vaulted plywood covered walkway with black rough-sawn cedar and glass in vertically extended curtain wall.

Stained rotary cut mahogany is one of many veneer-overlay plywood panels used in offices. The goal was to individualize each office as much as possible.

Walnut overlay plywood lends dignity to library. This room and adjacent offices are separated from laboratory portion by a brick fire wall.

Laboratory cabinets consist of skeleton aluminum frame with wood panels forming sides, doors, shelves. Varicolored plywood panels form walls to the right.

Plywood Beautifies New Research Center

The beauty of wood's color and grain has been combined with the utility of plywood as an architectural material in American-Marietta Co.'s new $1-million research center and new general offices on Harbor Island in Seattle.

This structure is of particular interest and importance to the forest products industries, and specifically to plywood businessmen, as an example of how wood can be used to an advantage in modern architecture.

The building itself houses American-Marietta's major wood products adhesives research laboratories, plus the executive offices of the Adhesives, Resin & Chemical Division, a separate entity within A-M headed by Donald V. Redfern, vice president and general manager.

A-M officials point out that while a large number of different types and species of wood are featured in interior paneling in offices and laboratories and other rooms, the amount of custom-manufactured plywood is at a minimum. Practically everything, then, is available to potential users of similar plywood who may visit the center and wish to specify a certain kind of panel for their own building.

No single manufacturer supplied all the paneling. Many of the best-known names in the industry are represented; in general the panels were ordered from samples or pictures by the persons who were to occupy the various rooms and offices, without regard to a particular company's products.

The decorative panels include these species: cherry, knotty cedar, mahogany, oak, birch, sen, walnut, and ash; variations in appearance were achieved through differences in finishing. About 20 different plywood surfaces are in place.

Interior plywood finishing consisted of one coat of lacquer sealer, one coat of "Satin-Sheen" lacquer and one coat of paste wax.

Key personnel in the design were Plant Engineer Peter K. Schoening, Vice Pres.-Engineering Richard L. Troxell and Architect Dwight Smith.

While plywood is the building material which has been highlighted in the new center, architecturally the building combines the latest products of the lumber, glulam and board industries as well. These materials were "married" to a number of non-wood items, such as steel, plastic, brick and glass—each of which serves its own function. A-M officials told THE LUMBERMAN that while the building turned out to be a wood showplace that actually wood wherever used, did the job as well or better than any other material they could have specified. ■■

B. C. Fir Plywood Finds Variety of Uses

Plywood Joins Other Materials

Fir plywood plays a dominant role in several huge curtain wall buildings at Ottawa, Ontario, Canada, the Plywood Manufacturers Association of British Columbia, reports.

It provides the "muscles" for modern buildings whose outward appearance reveals only glass and steel.

The administration building at Carleton College pictured under construction at right employs porcelain-coated panels made by Cerametal industries, Ltd. The standard panel utilizes ½ or ¾-inch fir plywood faced with a porcelain coated 18-gauge steel and backed by 22-gauge zinc sheeting. Where the insulation factor is not important, the company prefers fir plywood for backing.

Steel and zinc sheets are bonded to the fir plywood surfaces by a McNaughton-Brooks contact adhesive in a heated press which takes a number of sheets at a time. The bonding process takes between five and seven minutes at a temperature of about 180 degrees F.

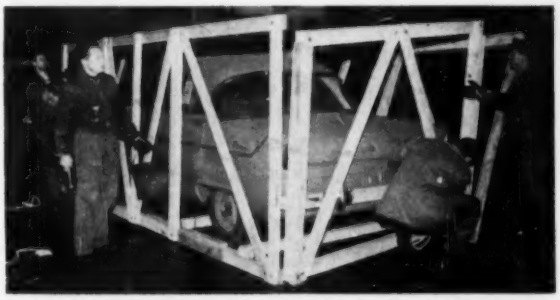
The completed panels are usually fastened into place either by clips, taped edges and brackets, or "Z" brackets.

Cost of a standard panel, utilizing ¾-inch fir plywood averages about $2 per square foot. ■■

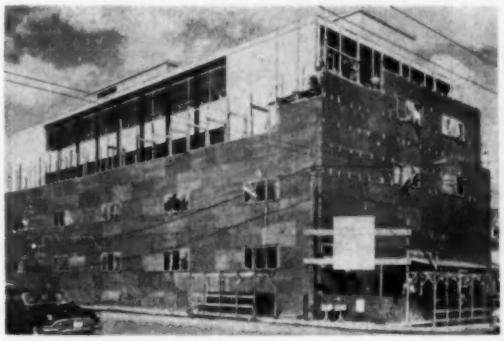
Plywood Crates Protect Cars

1 Crated cars are stowed closely in ship's hold and stacked in tiers without necessity of building temporary decks. The crated car is also more easily handled.

2 Crates are standardized 15 feet, 4 inches long, 6 feet, 5 inches wide, 5 feet, 10 inches long. Rough lumber is used for frame, ½-inch plywood for roof of crate.



3 On wharfside, crate is quickly stripped and piled into component parts, including panels, for return to shipper. Several re-uses are secured from each crate.



Building is protected with false wall clad with waterproof glue plywood so that construction can proceed normally during winter weather. Panels can be salvaged for numerous re-uses.

Plywood Bridge Solves Problems

Reed College in Portland, Ore., needed a bridge to span an artificial lake between the men's dormitories and the main campus.

But there were problems. Steel truss or girder bridges were ruled out because of their appearance. A clean span of 84 feet was needed. Approaches were limited to grade because students use bicycles for on-campus transportation. Access for erection work would be difficult because it was the school's desire to retain all trees and foliage.

Portland architects Shell, Hoyt & Fornham solved the problem with a plywood box beam and stressed-skin panel structure based on design data supplied by the Douglas Fir Plywood Association.

There are three basic elements in the bridge.

The first consists of two plywood beams with triagular cross sections. Each beam is 66 feet long and is cantilevered 42 feet over the water from a concrete piling. The beam extends 24 feet back from the shore and is counterweighted with concrete. The piling act as a fulcrum.

Cantilevered sections are equilateral triangles in section, tapering from 6 feet to 12 inches at the joint over the water.

Contractor Charles Premo cut three triangular framing members from a single glulam with a chain saw. The bottom chord is 11⅞-inches deep, the others slightly less. Stiffeners of 4x4s, depending on location, are placed 4 feet o.c.

Two layers of fir plywood—the inner of ¾-inch C-C sheathing and the outer of ¾-inch medium density—laminated together are glue-nailed to the sides of the triangular beams. A top skin of a single layer of ¾-inch C-C exterior was similarly applied.

Beam sections are connected at the center with 2-inch double pipe in 2½-inch standard pipe cleeves and have 2 inches of clearance after initial deflection.

A deck of 4x6-foot stressed-skin panels is laid over the tops of the beams, with a Visqueen membrane between the deck and beams. The panels have top skins of ½-inch C-C exterior fir plywood and ½-inch bottom skins of the same material in A-C. Framing is 2x2s, 2 feet o.c, with facias of 1¼ by 4s.

The third element is a wearing deck of sand and waterproof glue over ½-inch exterior plywood, with another waterproof membrane between the deck and panels. ■■

Plywood Converts Cars To Wood Chip Carriers

Spokane-Portland & Seattle Railway Co. is using tongue and grooved, scarfed plywood to renovate chip cars. Single units of plywood, 1-inch thick and over 41 feet long are joined together by the tongue and groove to provide new walls for the chip cars. This method of installing walls provides a solid plywood face with no seams through which chips might leak.

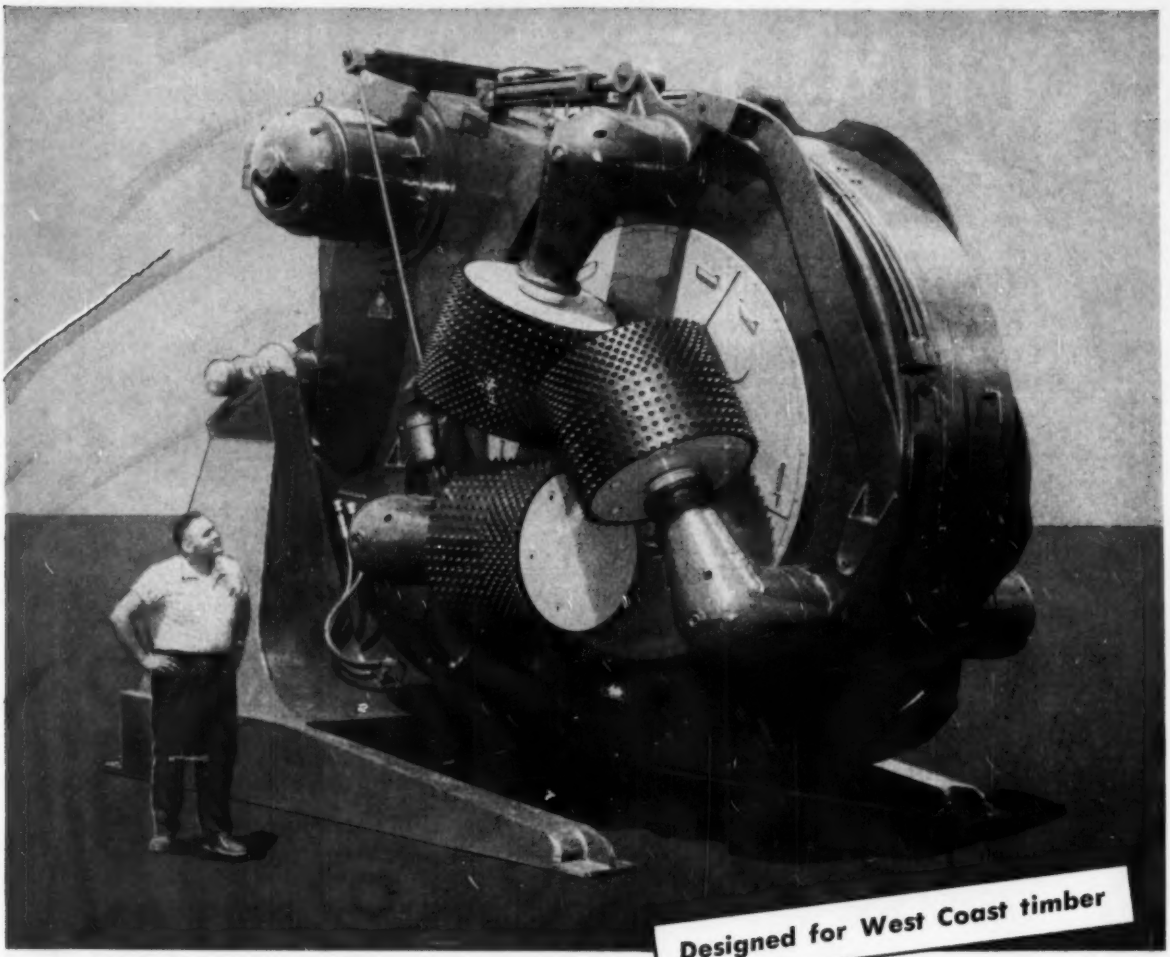
The long plywood panels used are manufactured by Diamond Lumber Co., Tillamook, Ore., and shipped on

SP&S flatcars to the construction yard at Vancouver, Wash.

All panels are rough 1-inch thickness, 7-ply exterior B-C grade. Scarfing is 1-inch 1 side.

A side wall consists of two panels, one 4 feet wide and 41 feet, 6 inches long, and another 2 feet wide, 41 feet, 6 inches long. End walls use two 9-foot, 6-inch long panels, one 4 feet wide, the other 2 feet wide.

Large timbers are installed on the inside of the cars to support the panels. ■■



Announcing the new

50" CAMBIO

—the largest automatic mechanical barker available today!

- **Fully automatic**
- **Hydraulically operated by remote control**
- **Adjustable tool tension**
- **Instantaneous control of tool pressure and tool opening—without stopping the machine**
- **All anti-friction bearings and automatic lubrication**
- **Automatic bark-cutter**
- **Automatic rotor-centering device**
- **Lowest installation, operating and maintenance cost.**

Call, wire or write for details—

SODERHAMN MACHINE MANUFACTURING COMPANY

Soderhamn, Sweden — Since 1804

Talladega, Alabama

West Coast: 9442 S. W. Barbur Blvd., Portland, Oregon
British Columbia: Galbraith & Sulley, Vancouver
Eastern Canada: Forano Limited, Montreal

Superior performance of the Cambio Barker has been proved under severest winter operating conditions. There are now more than 550 Cambios operating around the world. Available in seven sizes —from 8" to 50"

*The Cambio is protected by U. S. Patents: 2,623,558—2,738,596—2,775,274—2,785,715 2,786,499—2,787,304—26788,034

SODERHAMN — FIRST NAME IN WOODWASTE UTILIZATION EQUIPMENT

SCHMUTZ

40 YEARS EXPERIENCE IN BUILDING THE MOST ADVANCED WOOD FINISHING *Machinery*

SCHMUTZ BOTTOM COATER

FOR SEALING AND FILLING PLYWOOD, CHIPBOARD, PARTICLE BOARD, ETC.

SCHMUTZ PRECISION COATER

THE AMOUNT OF COATING MATERIAL APPLIED CAN BE VARIED AND CONTROLLED VERY ACCURATELY.

SCHMUTZ 2-COLOR WOOD GRAIN REPRODUCING MACHINE,

WITH ACCURATE REGISTRATION OF COLORS ON EVERY SHEET PASSING THROUGH. WILL ACCOMMODATE ENGRAVED CYLINDERS FROM 9" UP TO AND INCLUDING 20" IN DIAMETER. MACHINES ARE BUILT IN ONE, TWO AND THREE COLORS.

THESE MACHINES ARE BUILT IN VARIOUS SIZES AND ARE JUST THREE OF MORE THAN 50 DIFFERENT TYPES WE MANUFACTURE.
LET US TELL YOU MORE ABOUT THEM!

SCHMUTZ MFG. CO. 1600 W. MAIN LOUISVILLE, KY., U. S. A.

Project: Individual Study of Plywood Pre-Finishing Problems

Prefinishing know-how resulting from our years of pioneering in the development of fine finishes for plywood makes it possible for our customers to utilize top quality products *at the lowest possible cost per square foot.*

All six of our factories have qualified men available for consultation and guidance to those interested in all phases of prefinishing.

SOLUTION:

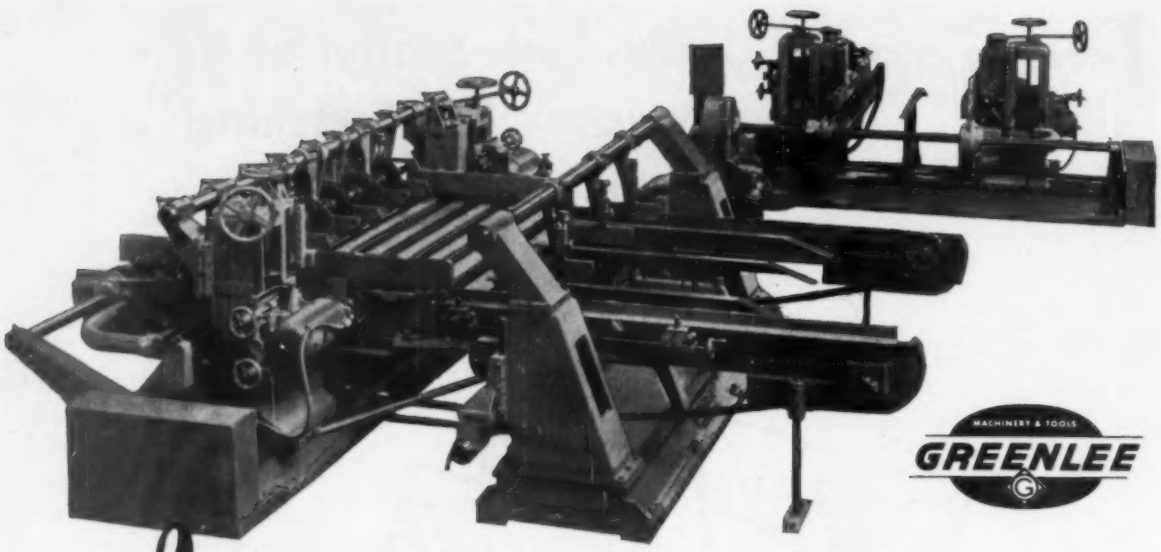
Reliance chemists and finish engineers working as a "team" with machinery experts and plywood producers have solved the problem of economical prefinishing of plywood.

RELIANCE VARNISH COMPANY *Incorporated*

ENGINEERED *Chemical Coatings*

Bridgeport, Conn.; High Point, N. C.; Los Angeles, Calif.; Louisville, Ky.; North Chicago, Illinois; Roanoke, Virginia (Southern Varnish Co.)

NORTHWEST REPRESENTATIVE: W. A. McKim, Box 246, Florence, Oregon



MACHINERY & TOOLS
GREENLEE

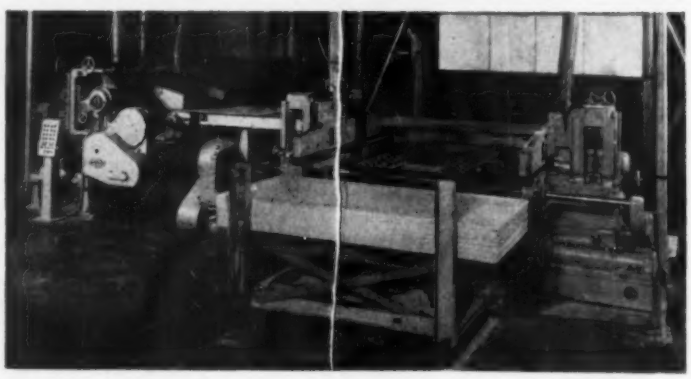
Improve production...lower costs with Greenlee Double-End Panel Machines

Special Panel Machines Size, Split, and Shiplap Insulation Board In One Pass. Edges are shiplapped on the Skinner. The second machine, with a slat-bed outfeed section, has a combination of front lower and rear top dado units that produce multiple strips with shiplap on all four edges.

Slat-Bed Multiple Cut-Up Saws Cut Flat and Curved Particle Board. Equipped with overhead dado cutting units these Slat-Bed Machines with automatic transfer cut both curved and flat particle board with minimum changeover. Feed rates to 110 feet per minute. Operation is fully automatic and accuracy is assured.

High Production Skinner and Cut-Off Saw Sizes Particle Board Panels. Equipped with horizontal hogging units, these machines are primarily used in high production panel sizing. The Skinner Saw has a cartridge type dado unit for panel splitting.

Many variations, in addition to those shown, can be arranged with or without automatic transfer units to meet your panel sizing, splitting, and grooving requirements. Discover how Greenlee Double-End Panel Machines can cut your costs!

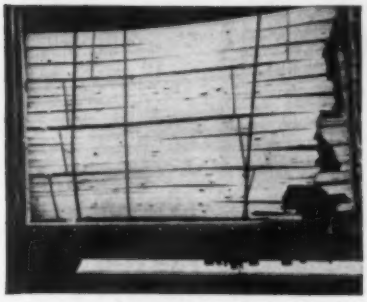


WOODWORKING MACHINERY MANUFACTURERS' ASSOCIATION

GREENLEE BROS. & CO.
1723 Twenty-First Avenue, Rockford, Illinois

MORTISING, BORING AND ROUTING TOOLS by GREENLEE TOOL CO.

Why are mills packaging lumber today?



Arrival condition of a Southwest Lumber Mill load

What does packaging save, or cost, a mill?

That depends on the shipper's objective. If a mill wants to benefit *all* its customers with packages that anyone can *unload mechanically* with *all* sizes of equipment, then the basic packages must be fairly small, they must be well strapped and unitized in the car. Southwest Lumber Mills do this, and they figure that it costs them $2.00 per M bd-ft. This will come down as new equipment and better methods are put into use, and as they package a higher percentage of their output.

On the other hand, some of our lumber mill customers are packaging nearly all their output primarily to save money. They use larger packages, lighter strapping, omit unitizing in the car, and *save up to ten dollars per carload* after paying all packaging costs.

Let Signode help you apply the lumber packaging and handling techniques that will save you the most in time and money and give you the best satisfied customers. Call the Signode office near you, or write for additional information.

We'd like to quote from a letter we have from one of our customers, Southwest Lumber Mills—

"Greatest advantage of this kind of loading is that a 30,000 bd-ft box car can be loaded in 45 minutes by two men. Hand loading, on the contrary, takes approximately six hours with two men. Same thing applies to unloading. Under normal conditions a receiver can unload in 30-45 minutes, compared with a hand-unloading time of 10-12 hours, two men being used in either case." Lumber is packaged, in other words, to save time for the shipper or the receiver, or both.

Fork lift loading at Southwest

Are boom loaders necessary?

Fowler loader—loading to save money

Double door boxcars are being efficiently loaded both by boom loaders and by lift trucks using rollers in the car. With single door boxcars, boom loaders seem to be indicated. There are at present several types of boom loaders available for use with lift trucks of various capacities.

What about lumber presses?

Smaller packages don't seem to need compression, but it does improve a large package considerably. Lateral compression is the most important. Jesse Fowler has worked out an interesting approach to compression: he has built a lateral press into one of his lumber carriers (see photo). If you are interested in more information about this, write us.

Lateral lumber press installed in carrier at Haining Lumber Co.

First in steel strapping

SIGNODE STEEL STRAPPING CO.

2616 N. Western Avenue, Chicago 47, Illinois

Los Angeles 1, 659 East Gage Ave. • Pittsburg, Calif., Loveridge Road • Eugene, 1955 Todd
Portland, 1519 N. W. Irving St. • Seattle 4, 1750 Occidental Ave. • Spokane, 617 Paulsen Bldg.
Olympia, 1024 Eskridge Blvd. • Canadian Steel Strapping Co., Ltd., Vancouver, B.C.

PRODUCING
Top Quality
COMES FIRST AT CASCADES

In response to the demands of modern industry, Cascades Plywood Corporation adheres to the most rigid standards in every phase of plywood manufacture, in order to meet or exceed the requirements of users. Our Quality Control program features four strong points of quality analysis:

Distributed nationwide by
UNITED STATES PLYWOOD CORPORATION
The World's Largest Plywood Organization

Randomized Inspection
Inspectors on all shifts spot check for quality from the green end to the final boxcar loading.

Laboratory Test
Glues used in Cascades Plywood are subjected to exacting laboratory tests to insure a lasting bond. Cascades Plywood will not delaminate within the requirements of commercial standards.

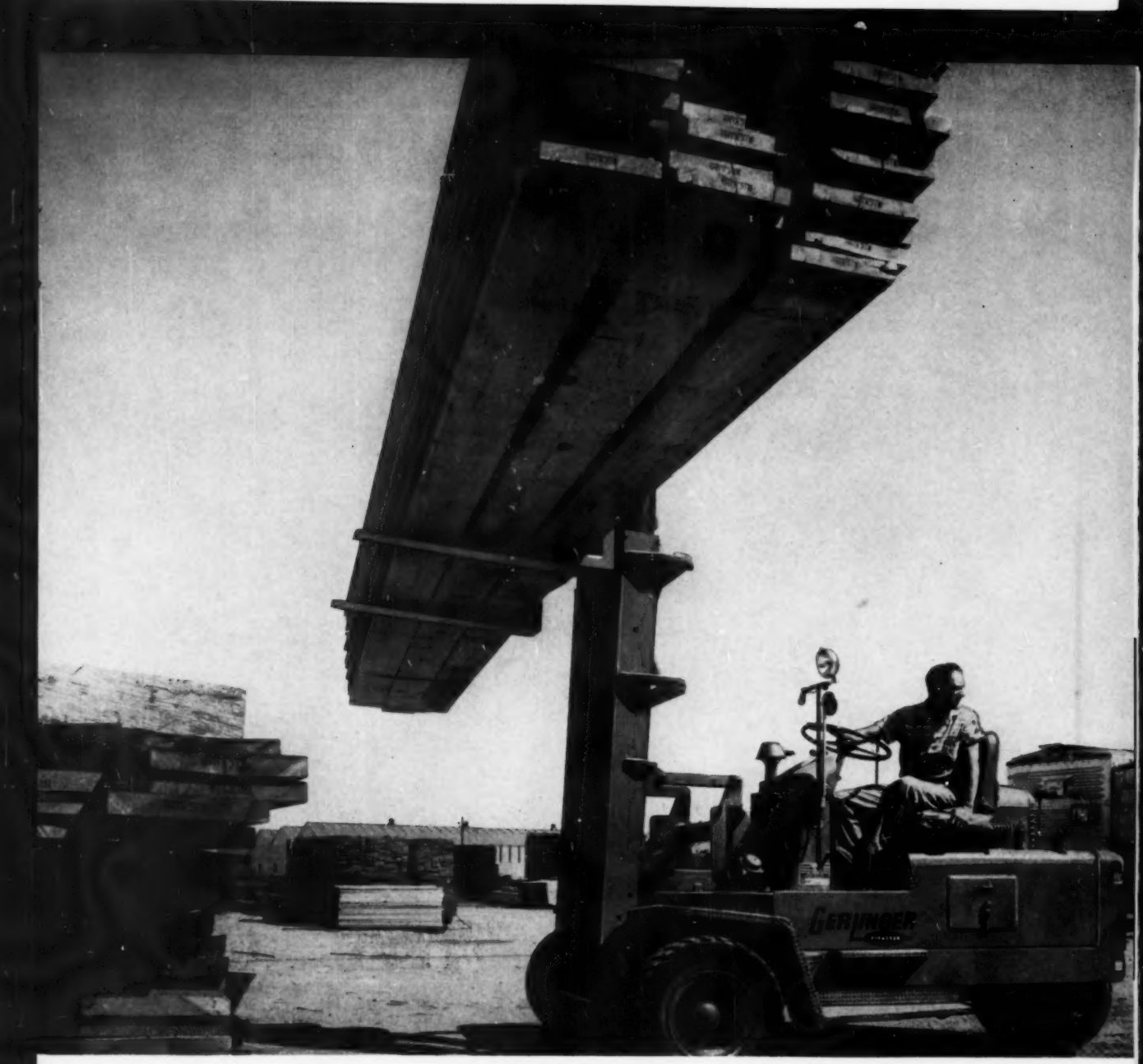
DFPA Inspection
Cascades Plywood is inspected by Douglas Fir Plywood Association inspectors and must meet their stringent specifications on all points.

Grading
From log to dryer outfeed, careful grading and rejection of defects assure that only top grade Douglas fir is used in Cascades Plywood.

CPC

Cascades Plywood Corporation

PUBLIC SERVICE BUILDING
PORTLAND 4, OREGON



Savings match the load!

You're seeing a Gerlinger Fork Lift Truck showing some of the remarkable stamina and stability that causes users to say, *"Our first choice is Gerlinger for the BIG JOBS!"*

What you can't see till you own one are the tremendous savings you gain. As you move more tons per hour . . . at much less cost . . . your profits increase in proportion. *Gerlinger* offers standard gas-powered, pneumatic-tired, *Job-Proved* fork lift trucks that handle as much as 40,000 pounds per trip. (Diesel engines optional.)

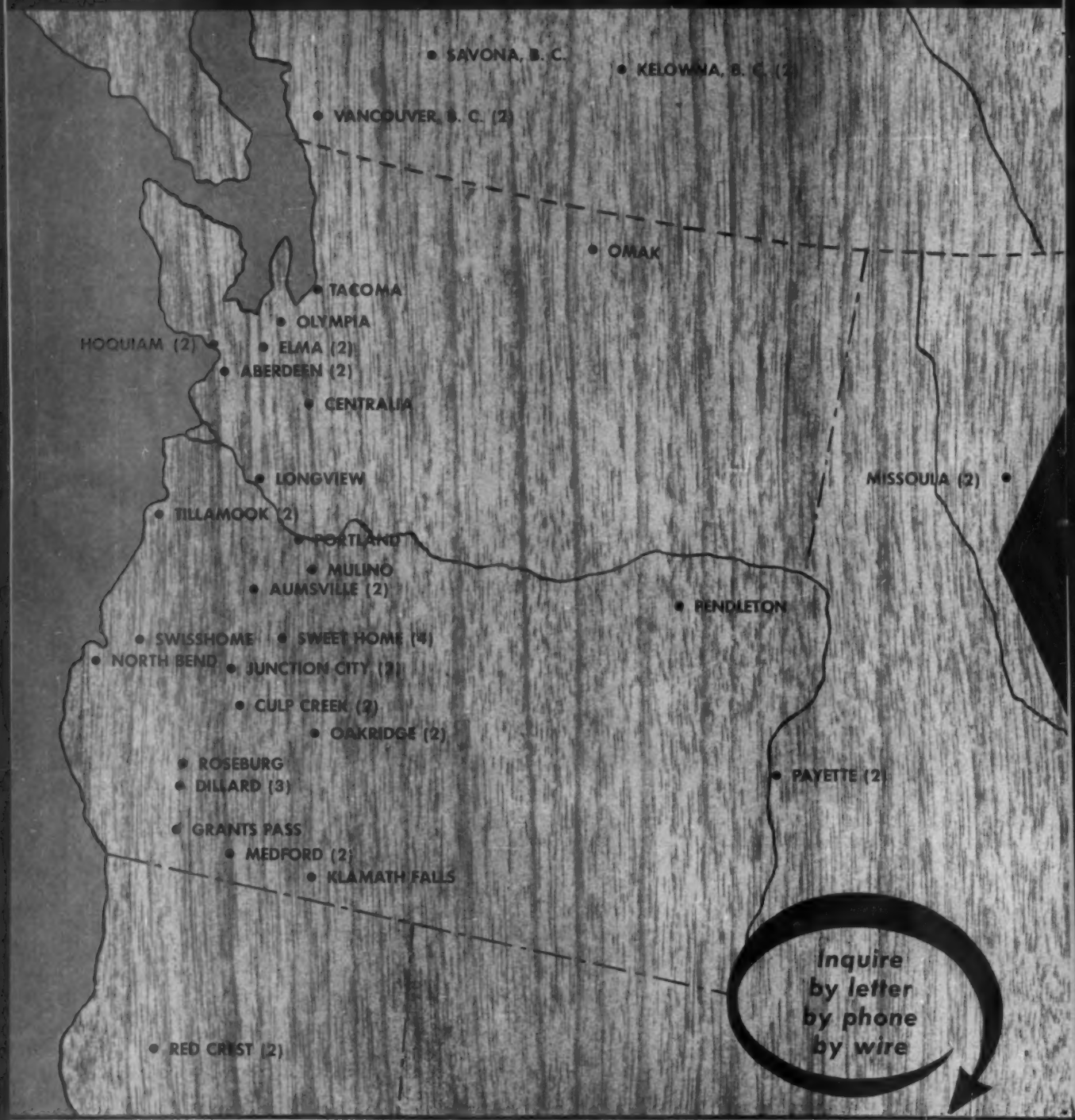
Want to see how savings match the load? Ask for Certified Job Studies covering your specific handling operations—and new Gerlinger Specifications Folder *GSS*. Write Towmotor Corporation, Cleveland 10, Ohio or Gerlinger Carrier Company, Dallas, Oregon.*

TOWMOTOR
THE ONE-MAN-GANG
®
-**GERLINGER**

LEADERS FOR 40 YEARS IN BUILDING FORK LIFT TRUCKS, CARRIERS AND TRACTORS

*Gerlinger Carrier Co. is a subsidiary of Towmotor Corporation

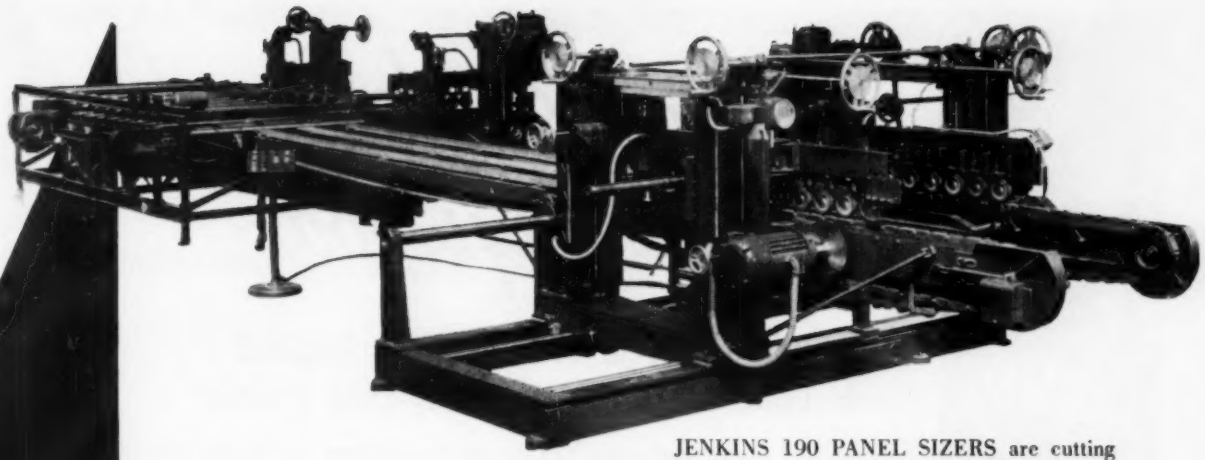
JENKINS is growing
WITH THE GREAT NORTHWEST



CASCADE SAW & MACHINERY, Inc.

CHEHALIS, WASHINGTON
Phone SH 8-3339

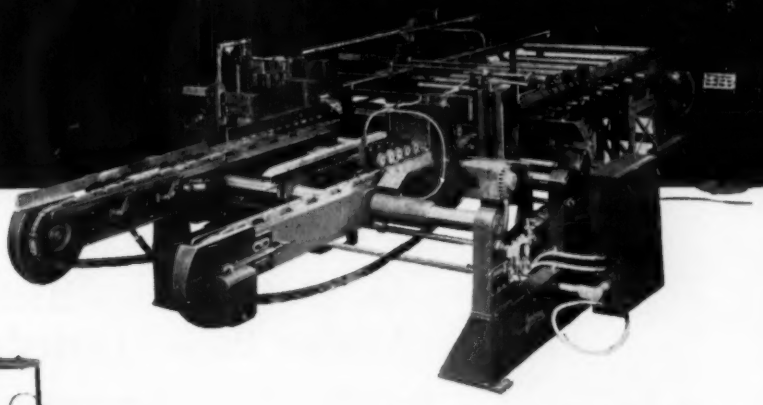
NEW WESTMINSTER, B. C.
Phone LAkeview 1-0530



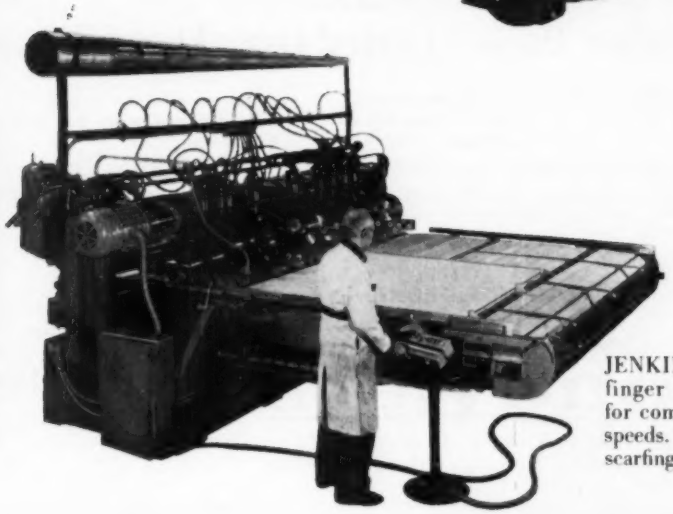
JENKINS 190 PANEL SIZERS are cutting production costs as much as 80% for Pacific Northwest plywood manufacturers. Automatic transfer unit holds warped stock flat, maintains smooth panel flow from skinner to cutoff without hoppering.

OVER 50 *NEW* JENKINS MACHINES

all delivered in the last 3 years - and more on the way!



JENKINS 140 PANEL AND DOOR SIZERS combine accuracy and versatility at a new low cost. Many advanced engineering features give typical Jenkins ruggedness and dependability.



JENKINS 191 SLAT BED features finger tip control of Uni-Lift saws for complete flexibility at production speeds. Can be equipped with copes or scarfing arbors on either side.

ENGINEERED AND BUILT BY KOHLER-JOA KJ **CORP., SHEBOYGAN FALLS, WISCONSIN**

New Developments in Plywood

Super-Microseal® Process Now Applied to Long-Bell Decorative Plywood Panels

. . . Super Satin Surface® has Hand-Rubbed Brilliance . . . Slashes Cost of Finishing Home, Office and Public Building Interiors . . . Gives Suppliers, Builders and Contractors Terrific Edge Over Competition.

Carpenters can now quickly install low-cost plywood panels that have the expensive brilliance of hand-rubbed woods . . . thanks to Long-Bell's use of the revolutionary factory-finishing process—Super-Microseal.

This new process saves up to 75 per cent of the complete finishing job . . . no additional sanding is necessary . . . and no primer coat is needed.

Long-Bell's Super-Microsealed surface plywood panels come in a wide variety of light and dark hardwoods (plain or "V" grooved) and may be stained to fit any decor.

®General Plywood Corp.

Miracle Plastic Overlays Now Waterproof Plywood Panels for Years—Longer Outdoor Life

Builders and contractors may now call upon new, low-cost plywood panels that defy weathering and damage.

These new medium and high density Long-Bell panels are coated with remarkably permanent overlays that are proved to withstand boiling, freezing, baking and steaming. They will not check nor splinter. They present a perfect painting surface.

Medium and high density Long-Bell plywood panels are ideal for siding, fencing, billboards, signs and all other outdoor use.

The use of these Long-Bell plywood panels lowers FHA approved house construction costs.

Ahead-of-the-Times Machinery Now Makes Absolute Quality Control Over Plywood Possible

Hairline tolerances, never before achieved, will be a matter of routine at Long-Bell's new plywood plant at Chelatchie, Wash.

Equipped with the newest and latest automatic equipment, this new, ultra-modern plant promises suppliers, builders and contractors rapid shipment of plywood panels that will meet the most exacting specifications.

The Long-Bell brand on each plywood panel is truly your assurance of beautiful fit, perfect quality.

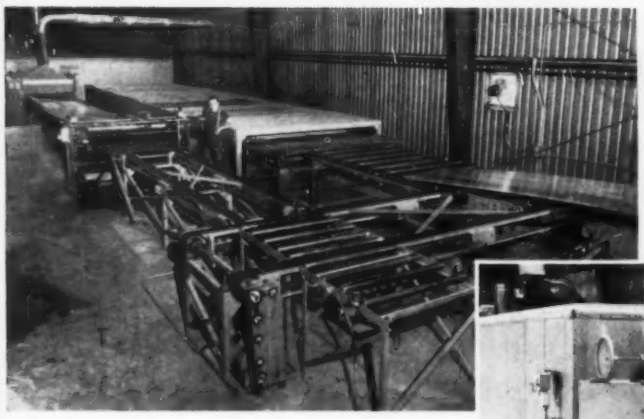
WRITE, WIRE, PHONE
for full information
INTERNATIONAL PAPER COMPANY

LONG-BELL
DIVISION
Kansas City, Mo. Longview, Wash.

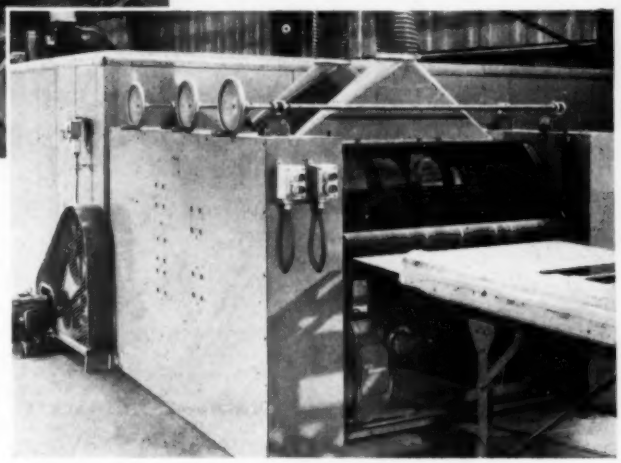
PRODUCED IN VOLUME . . . FOR LOWER UNIT COST

Experience Counts!

The majority of the Hardboard Plants on the West Coast utilize Grenco equipment in their Hardboard pre-finishing lines



The photograph below illustrates the Grenco flexible drum sander. This machine consists of 10—6"x16" abrasive wheels, a nylon brush, variable speed pinch roller feeders, and exhaust system for dust evacuation. Not illustrated is the Grenco buffing machine which is installed on the far side of the drying tunnel for wet buffing of the base coat.



The photo above illustrates the unique Grenco conveying system. The plywood panels leaving the Grenco flexible drum sander in the background transfer through the Grenco jump conveyor onto a cylinder operated turntable which turns the panels 90 degrees automatically and then drops the panels to the Grenco powered roll conveyor which returns the panels to the drying tunnel.

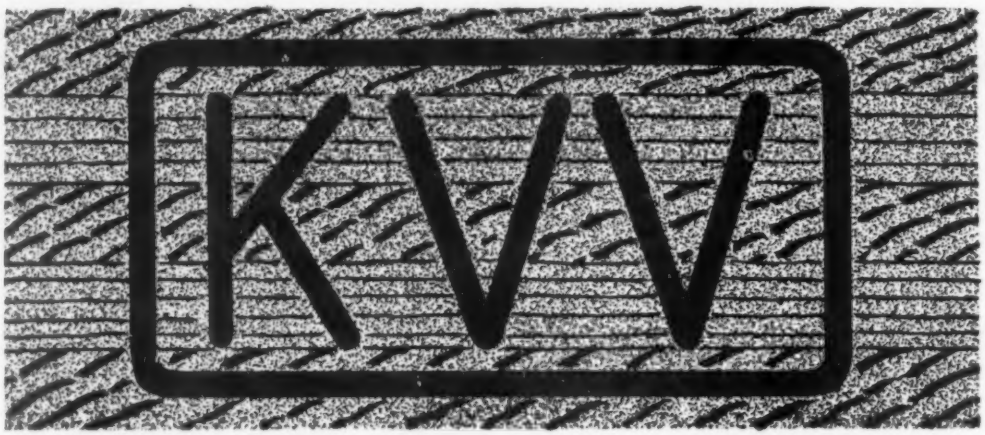
Grenco designs, builds and installs complete pre-finishing systems for hardboard, particle board, plywood and lumber paneling. Your inquiries are invited.

GRENCO INC. ENGINEERING - MANUFACTURING

For Further Information, Call or Write

GRENCO, INC.
2035 S.W. 58th Avenue
Portland 1, Oregon
CApitol 6-4096

Rely on . . .



. . . for your plywood needs

The KVV trademark is your assurance of highest quality in either construction or specialty grades of fir plywood.

KELLY-VAN VLEET, INCORPORATED

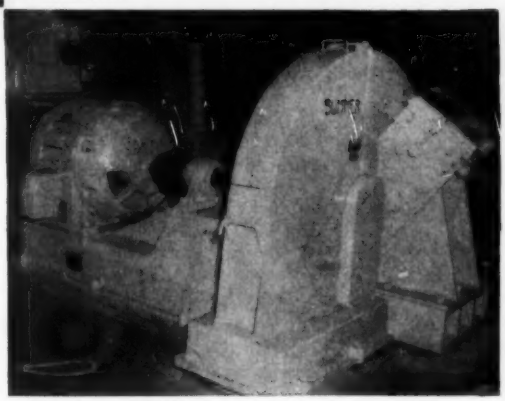
CLOVERDALE • CALIFORNIA

SUMNER CHIPPERS

for every purpose

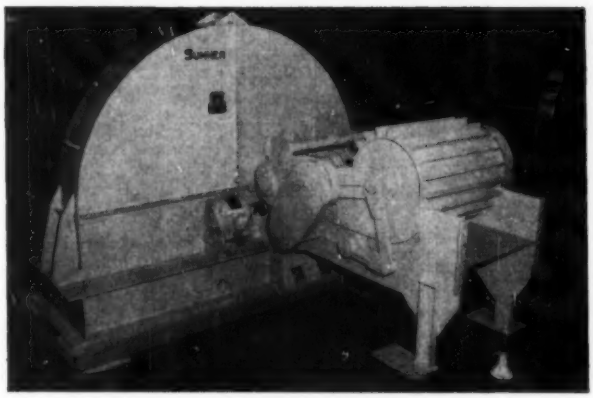
53" — 4 Knife Economy Chipper — Designed for the lower production installation where a high capacity machine is not necessary. Slabs up to 19" wide and 8" thick can be chipped by this light, well-built machine. Ask for Bulletin #85.

The widely heralded program of complete wood utilization launched a few years ago, presented its challenge to us here at Sumner, and led us into an ever broadening field of chipper research, engineering, and manufacturing of this most important piece of production machinery.
Our present line of chippers and chip screens speaks well for our progress in this field . . . you will find our Sales, Research, and Engineering Staffs more than anxious to work out any specific problems you may have and to furnish you with bulletins and additional information covering our present standard or special models.



66" — 16 Knife, Helicoidal Face, Wastewood Chipper — The wear (face) plates are provided with helicoidal surfaces which set up an "auger action" that pulls the wood toward the disc in a smooth, uninterrupted flow, thus maintaining an exact chip length. This precision built machine, also available in the 53" size offers you the "utmost" in production and quality. Ask for Bulletin #78.

Designers and Builders of
Log Handling Machinery
Wood Room Machinery
Sawmill Machinery
Briquettors
Steel, Iron and Bronze Castings



72" — 6 Knife Vertical Cut Veneer Chipper — Utilizing the latest designed feedworks, it is the answer to the operator's demand for volume output of chips with minimum operational costs. Ask for our Bulletin #83.

SUMNER IRON WORKS

Since 1892

EVERETT, WASHINGTON

In Canada: CANADIAN SUMNER IRON WORKS, LTD., Vancouver

DESIGNERS AND BUILDERS OF MACHINERY FOR THE FOREST PRODUCTS INDUSTRIES.

United States Distributors: FRED E. BARNETT CO. . . . 5 offices in California and Oregon . . . WILCO MACHINE WORKS, INC. . . . Memphis, Tennessee . . . . . DILLON SUPPLY CO. . . . . Raleigh, North Carolina.

. . . to sell only through jobbers

For over 17 years, Puget Sound has sold through jobbers exclusively. Prices are always competitive; shipments are made on schedule.

. . . for consistent high quality

DFPA TESTED QUALITY

Puget Sound plywood is made from select logs by men who care. All fir plywood is DFPA grade-trademarked to certify quality meets or exceeds Commercial Standard CS45-55.

. . . for a complete line of products

Puget Sound offers a complete line of fir plywood, specialty and hardwood panels.

- **"GRAINGLO"** Douglas Fir Brushed Plywood
- **C-D SHEATHING** Interior and Exterior
- **PHILIPPINE MAHOGANY PLYWOOD** Ribbon & Rotary Grain
- **TEXTURE ONE-ELEVEN**
- **BIRCH PLYWOOD**
- **EXTERIOR & INTERIOR FIR PLYWOOD** (all grades)—sizes up to 60" x 120"
- **"BRUSHED" TEXTURE ONE-ELEVEN**
- **IDAHO KNOTTY PINE PLYWOOD**

SOUND BILT

PUGET SOUND PLYWOOD, INC.

TACOMA 2, WASHINGTON

RAY A. JOHNSON, Sales Manager
Home Office—Tacoma, Wash.
Phone: MArket 7-4111

G. S. HARRIS, Asst. Sales Manager
Home Office—Tacoma, Wash.
Phone: MArket 7-4111

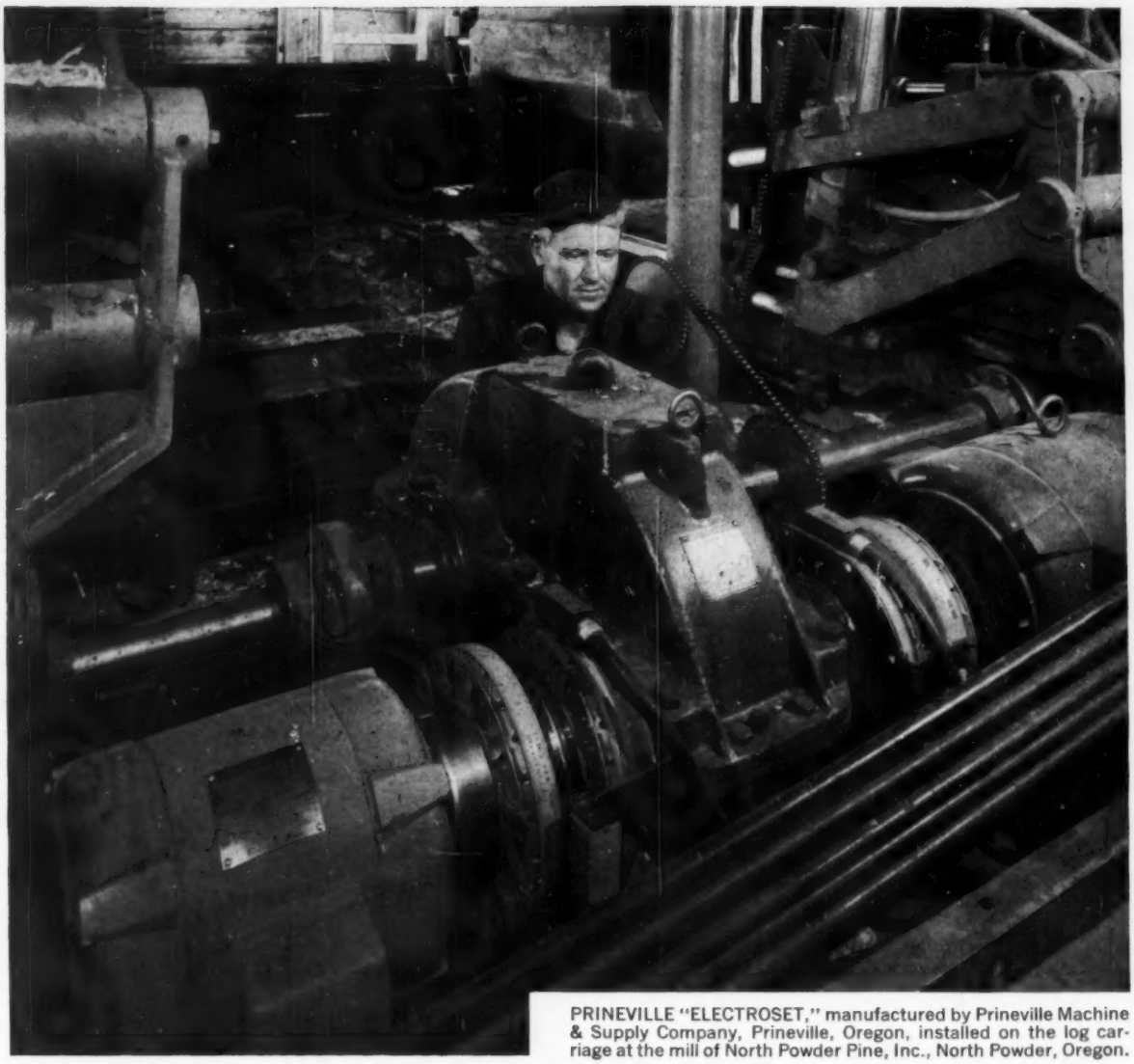
SALES REPRESENTATIVES:

EDWARD V. BOWEN, Empire State Bldg., New York 1, N.Y.
Phone: LOngacres 5-6658

LEE DUVALL, Empire State Bldg., New York 1, N.Y.
Phone: LOngacres 5-6658

RUSSELL B. WISCOMB, 2700 Simpson St., Evanston, Ill.
Phone: DAvis 8-0309

ED B. MEYERCORD, 80 St. Michael, P.O. Box 822, Mobile, Ala.
Phone: HEmlock 8-5595



PRINEVILLE "ELECTROSET," manufactured by Prineville Machine & Supply Company, Prineville, Oregon, installed on the log carriage at the mill of North Powder Pine, Inc., North Powder, Oregon.

Westinghouse powers new precision automatic log carriage set works

"This new unit effects a considerable saving in labor costs. Faster and more accurate production has resulted," says Mr. Victor Ledington, Chief Millwright at North Powder Pine, Inc.

The Prineville Machine Company's automatic set works consists of two Westinghouse Life-Line® "A" a-c motors connected through electromagnetic clutches to a standard Westinghouse horizontal, parallel shaft, DHR-10 speed reducer. Both motors run continuously, thus eliminating heavy starting loads which would tend to greatly reduce the service life of the drives.

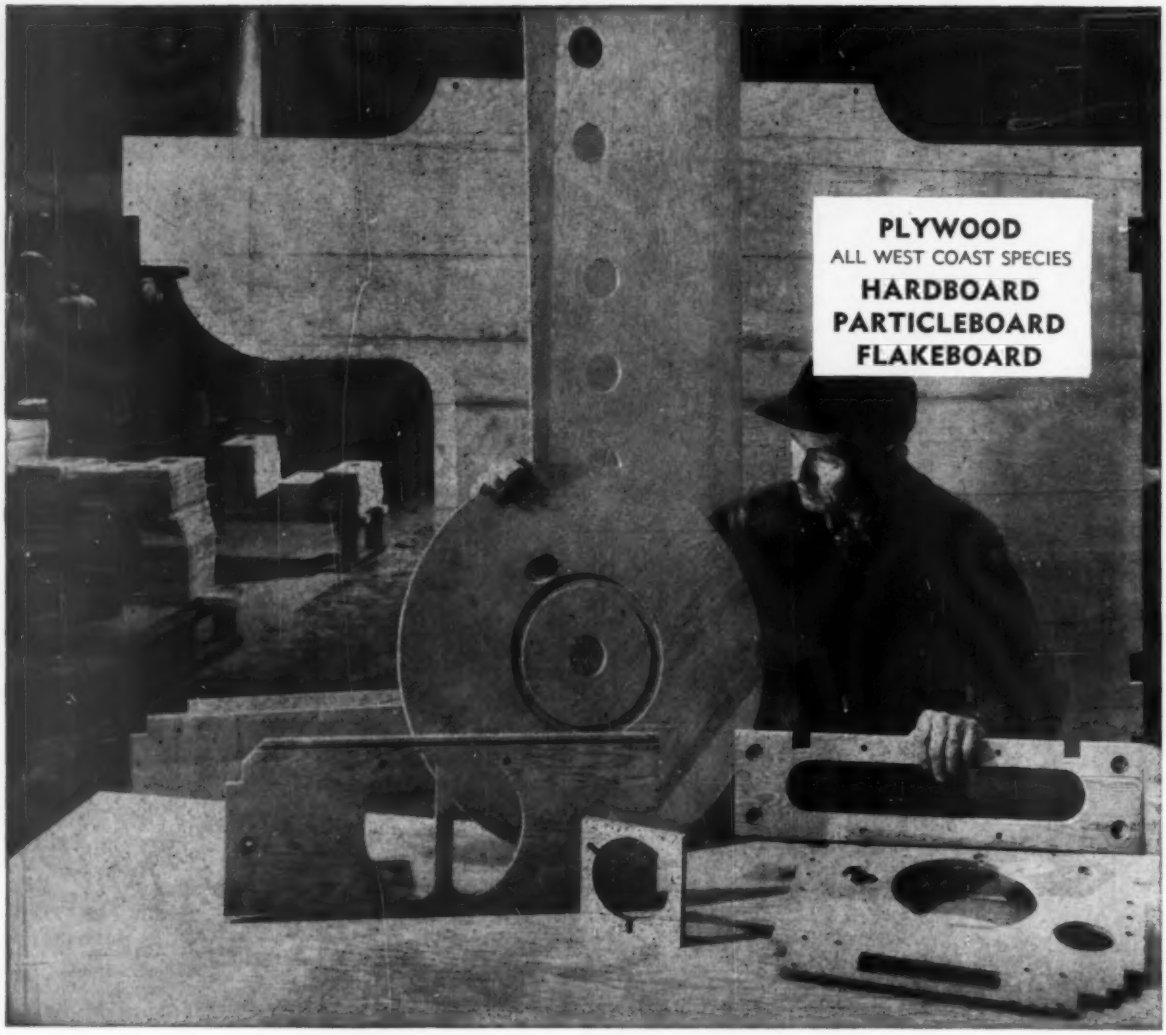
"Since installation, the Westinghouse gear drive and Life-Line 'A' motors have performed perfectly without any down time at all. The entire operation is controlled from the sawyer's station through a pushbutton console board located at his fingertips," adds Mr. Ledington.

Call your Westinghouse representative for complete details on Westinghouse gearmotors and speed reducers developed specifically for the lumber industry. J-07369

YOU CAN BE SURE... IF IT'S

Westinghouse

WATCH WESTINGHOUSE LUCILLE BALL-DESI ARNAZ SHOWS CBS TV FRIDAYS



WE CUT AND MACHINE ANY PANEL MATERIAL TO YOUR EXACT SPECIFICATIONS

- **EXTRA SALES VOLUME FOR MANUFACTURERS AND JOBBERS**
- **PANELS TAILORED TO YOUR CUSTOMERS' SPECIFICATIONS**
- **ANY SIZE, ANY SHAPE, IN CARLOAD VOLUME. HAIRLINE ACCURACY, RELIABLE DELIVERY**

No NEED to turn down industrial business because the order calls for odd, non-standard sizes. Pasquier Panel Products Inc. specializes in working with manufacturers and distributors to supply industrial accounts with plywood and other panels machined to any specifications. Panels can be shaped, drilled, routed, cut out and primed. Mills and jobbers can supply materials for milling in transit or we will obtain materials if necessary. Twenty-five years of dependable operation. We will quote on receipt of specifications and/or samples.

OUR SERVICE IS AVAILABLE TO ALL PANEL MANUFACTURERS AND THEIR NATIONWIDE DISTRIBUTORS

PASQUIER PANEL PRODUCTS Inc.

FORMERLY WILLARD V. YOUNG COMPANY

TELEPHONE UNiversity 3-6323 P. O. Box 115 TWX Sumner, Wash. 149 SUMNER, WASHINGTON

JOB PROVED in more than 50 Mills

Mann-Russell Electronic

Continuous Flat-Plane

VENEER EDGE-GLUER

Look to the leader . . . look to Mann-Russell for job-proved electronic edge-gluing. More than 50 plants . . . in Washington, Oregon, California, Canada, Tennessee, Georgia, New Guinea, the Philippines . . . now use the Mann-Russell Electronic Veneer Edge-Gluer.

Mann-Russell patented features include the "parallel bonding" process, interlacing feed, drive and retarding section, differential speeds, V-belt drive with chain in-feed and many more.

It is manufactured in any size from 50" to 130" stock lengths. Model "B" is designed for veneers 1/16th inch and thicker.

THESE ARE ADVANTAGES:

- Increases output . . . works faster and better . . . costs less
- Top quality unit; design based on years of close contact with mill requirements
- The *only* Electronic Veneer Edge-Gluer virtually *arc free*
- Self-cleaning patented heat retention type electrodes
- Veneer moisture content not critical
- No joint fall-down from stopping or starting
- Low maintenance cost
- Increases reject-free output
- Prompt, capable service
- EARLIER MODELS MAY BE MODERNIZED

Ask about the Mann-Russell VENEER MOISTURE INDICATOR, which detects and marks veneer with excess moisture . . . helps eliminate hot press "blows" and glue failures. Investigate for lumber too!

MANN-RUSSELL ELECTRONICS, Inc.

South 23rd and Pacific Ave., Tacoma 2, Washington • FUlton 3-1593

Recent sales and installations of the Mann-Russell Electronic Veneer Edge-Gluer have been made at these plants:

Astoria Plywood Corp.
Astoria, Oregon

Douglas Fir Plywood Co
Bandon, Oregon
Coquille, Oregon

Dwyer Lumber Co.
Portland, Oregon

Edward Hines Lumber Co.
Westfir, Oregon

Hult Lumber Co.
Junction City, Oregon

International Paper Co.
(Long-Bell Division)
Chehalis Prairie, Wash.
Vaughn, Oregon

K.V.V. California Mills, Inc.
Cloverdale, Calif.

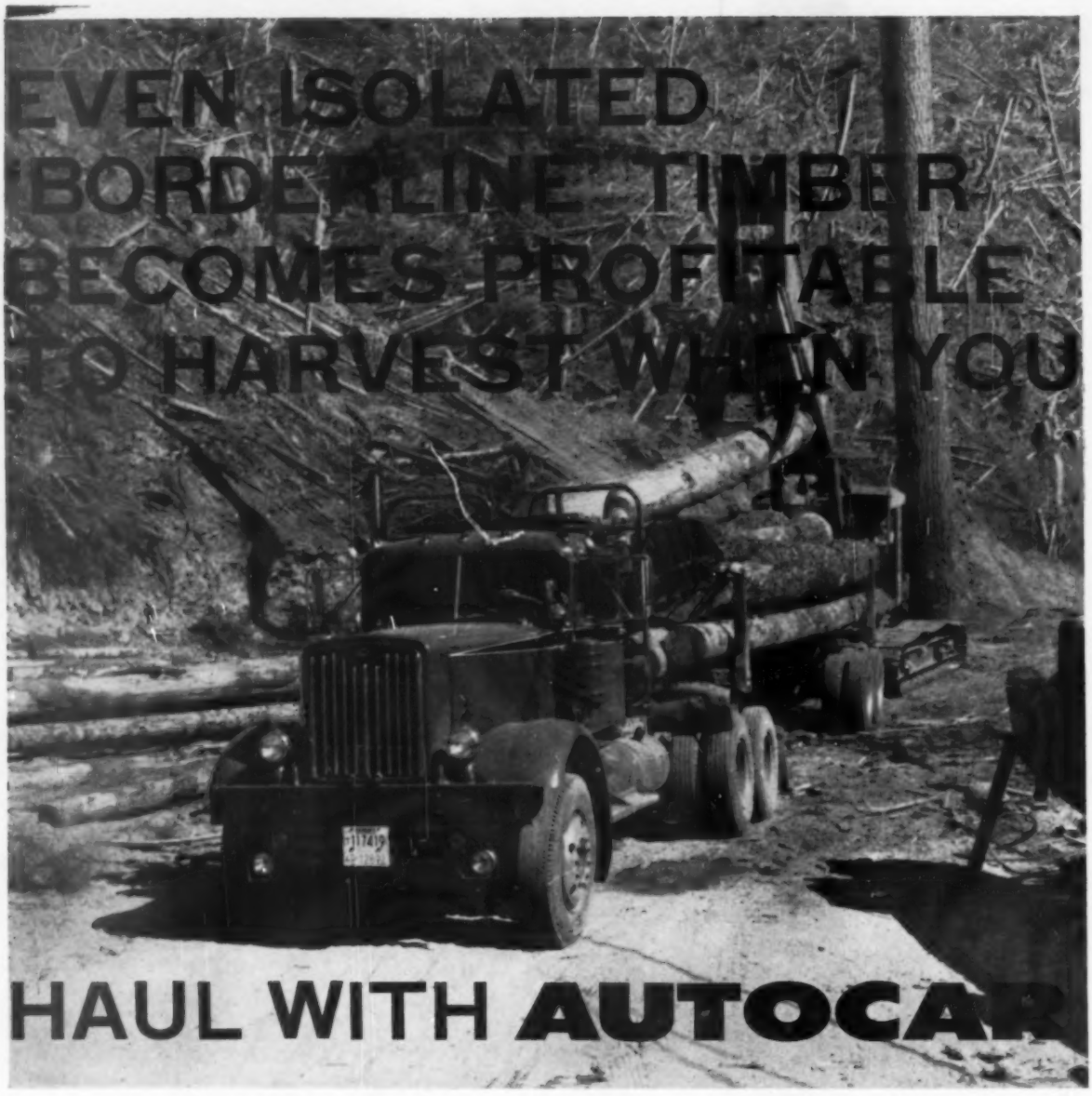
Nordic Plywood, Inc.
Sutherlin, Oregon

Pickering Lumber Co.
Standard, Calif.

Rosboro Lumber Co.
Springfield, Oregon

Weyerhaeuser Company
Longview, Wash.
Snoqualmie Falls, Wash.

Winton Lumber Co.
Martell, Calif.



...the forest industry's proved cost-saving diesel!

Autocar logging trucks provide low-cost transportation and more profit to the forest industries! That's what they are designed to do.

Over rugged spur roads, mainline roads and modern highways alike, Autocar diesels operate at peak efficiency, consistently hauling maximum loads safely under all weather conditions.

Powered with the finest diesel engines available, these rugged motor trucks are built for strength and long life, using the most efficient combination of components engineered. At major points of wear, you'll find inexpensive replacement parts. Yes, with Autocar, low maintenance is a matter of record.

And loggers who operate Autocars are discovering still another benefit. Many "Borderline" timbered areas, previously considered uneconomical to harvest using ordinary transportation, can be profitably cut, opening up new sources of profit.

Ask your Autocar representative! He can show you how you can put this precision motor truck to work now to reduce your transportation costs! Call him today.

When you get down to factual comparisons your logical choice is . . .

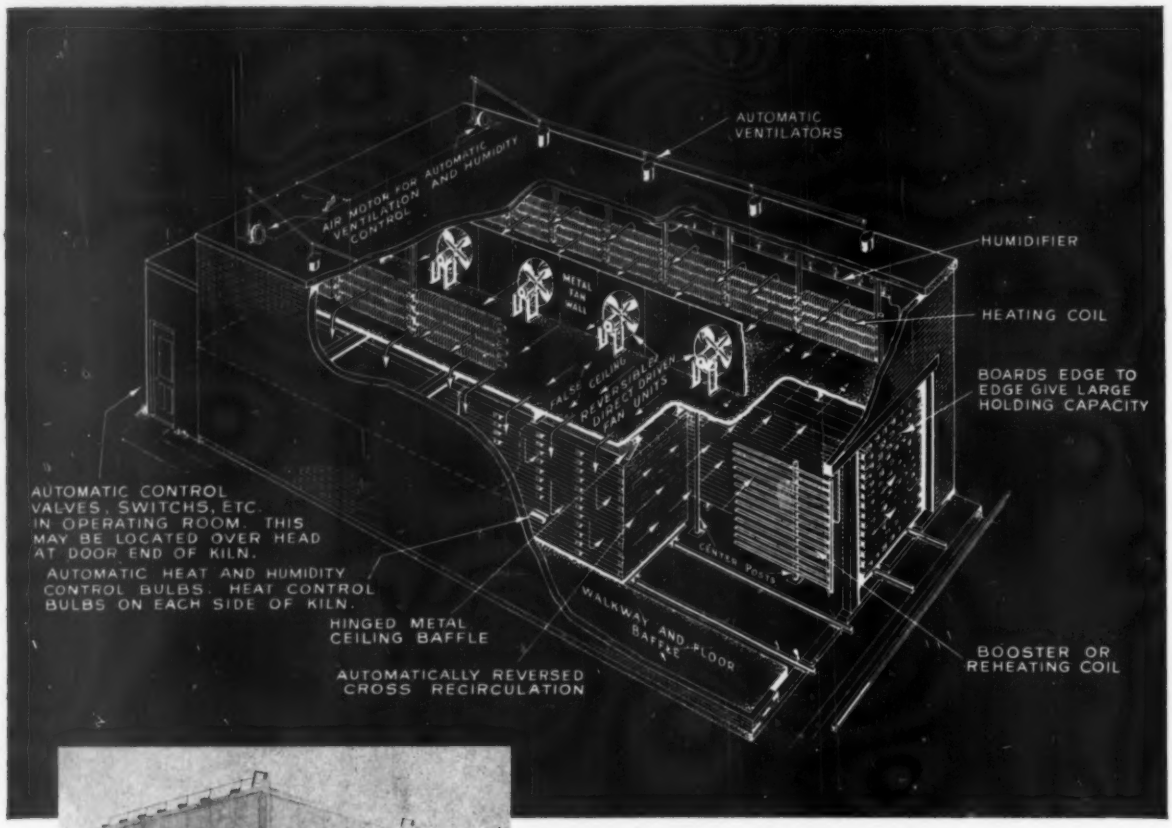
Autocar
"World's Finest"

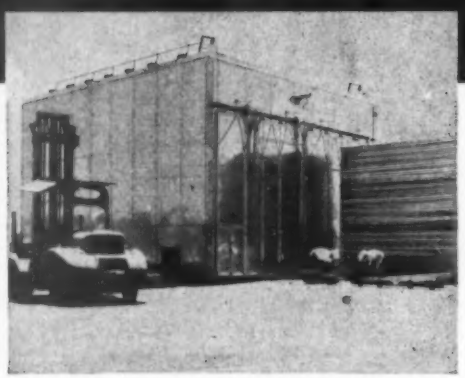
Division of
White Motor Company
Exton, Pa.

THE MOST COMPLETE
LINE OF ADHESIVES
FOR PLYWOOD FLAKE
WOOD PARTICLEBOARD
CHIPBOARD HARDWOOD
LAMINATES SCARFING
PATCHING WOODWORK

Monsanto

From Monsanto Chemical Co.
Plastics Division
911 Western Avenue
Seattle 4, Washington
Main 2-4203


AUTOMATIC VENTILATORS
AIR MOTOR FOR AUTOMATIC VENTILATION AND HUMIDITY CONTROL
HUMIDIFIER
METAL FAN WALL
HEATING COIL
FALSE CEILING
REVERSIBLE DIRECT DRIVEN FAN UNITS
BOARDS EDGE TO EDGE GIVE LARGE HOLDING CAPACITY
AUTOMATIC CONTROL VALVES, SWITCHES, ETC. IN OPERATING ROOM. THIS MAY BE LOCATED OVER HEAD AT DOOR END OF KILN.
AUTOMATIC HEAT AND HUMIDITY CONTROL BULBS. HEAT CONTROL BULBS ON EACH SIDE OF KILN.
HINGED METAL CEILING BAFFLE
CENTER POST
WALKWAY AND FLOOR BAFFLE
AUTOMATICALLY REVERSED CROSS RECIRCULATION
BOOSTER OR REHEATING COIL



Before you O.K. any plans for dry kilns . . . get the STANDARD story

• Get the Standard story now—because it may pay your company dividends for years and years to come. See how Standard's 72 years of specialization assures you the highest quality engineering and manufacturing. Ask owners about Standard's reputation for integrity . . . how Standard solidly backs the quality and workmanship of every Standard Dry Kiln. Have your secretary write or tear out this advertisement and mail it today with your name, company and address for the complete Standard story.

STANDARD DRY KILN COMPANY

P.O. BOX 21008 • INDIANAPOLIS 21, INDIANA

WESTERN STATES AREA
c/o IRVINGTON MACHINE WORKS
1808 N.E 7TH AVE. • PORTLAND 12, OREGON
ATLANTIC 4-1187

FURAFIL® 100-S

Versatile extender for resin glues with

Minimum Mixing Time
Minimum Press Time
Maximum Dependability

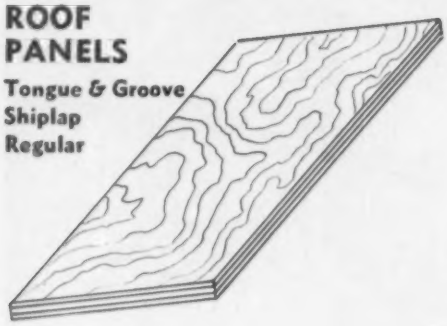
The Quaker Oats Company
CHEMICALS DIVISION

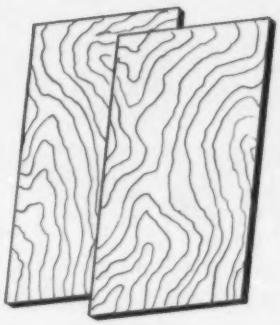
The Quaker Oats Company
CHEMICALS DIVISION

344R The Merchandise Mart, **Chicago 54, Illinois**
Room 544R, 120 Wall Street, **New York 5, New York**
Room 444R, 48 S.E. Hawthorne Blvd., **Portland 14, Oregon**
Room 6154R, 815 Superior Ave., **Cleveland 14, Ohio**

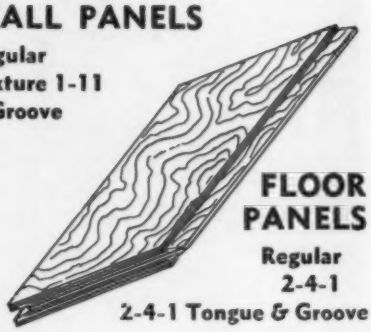
"CO-VAL" Products of
COQUILLE VALLEY LUMBER CO.

ROOF PANELS
Tongue & Groove
Shiplap
Regular



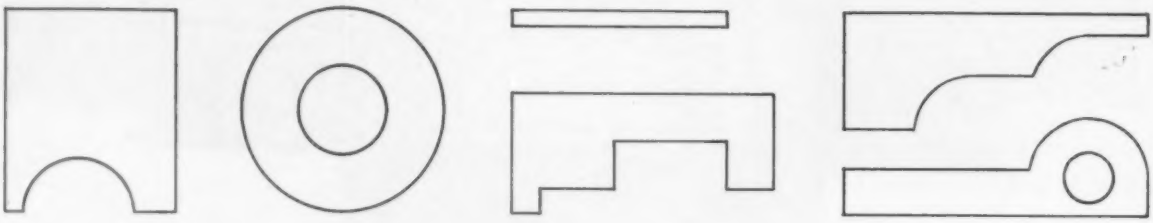


WALL PANELS
Regular
Texture 1-11
V Groove

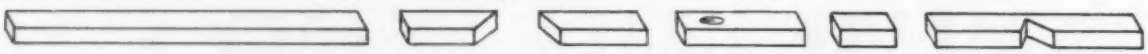


FLOOR PANELS
Regular
2-4-1
2-4-1 Tongue & Groove

PLYWOOD CUT-UPS



LUMBER CUT-UPS



From Tree to Finished Product and . . .
Something About our Plans for the Future:

Coquille Valley Lumber Co. is an independent plywood manufacturer, handling its own sales. Our production is complete—from the tree to finished products such as plywood and cut-up parts. Under present production from our Milwaukie plant we are furnishing our customers with both interior and exterior sanded and sheathing plywood . . . plug-and-touch sanded stock . . . Plyform . . . Pre-sealed fir panels . . . Texture One-eleven . . . tongue and groove plywood and shiplap plywood.

In April of 1960, we will be in full production in our new plant at Albany, Oregon, producing hot-press sheathing and plug-and-touch sanded stock, which will increase our current output from 8,000,000 sq. ft. to 15,000,000 sq. ft. New products to be manufactured in our new plant will include such plywood components as stressed-skin panels, trusses, pallets and other specialty items. Manufacturing facilities at Albany will also include a planer mill and lumber dry kiln.

You can rely on "Co-Val" for the finest materials and best business practices.

FOR ADDITIONAL INFORMATION
PLEASE CONTACT
NEW PRODUCTS DEPT.

PHONE MILWAUKIE OL 4-6541 • TWX MILW 774

COQUILLE VALLEY LUMBER CO.
P. O. Box 5964, 815 Thirty-first Street
MILWAUKIE 22, OREGON
makers of CO-VAL PRODUCTS

Men with IDEAS for the Plywood World

IDEAS for:

1. Efficient Plant Layouts
2. Competitive Production
3. Full Conservation of Material
4. Time and Labor Saving Equipment
5. Equipment Replacement

Announcing
NEW PRENTICE
VENEER DRYER

LET US PUT OUR IDEAS to work for you! WRITE or PHONE for a representative to call.

E.V. PRENTICE CO.
2303 N. RANDOLPH ST. • PORTLAND 12, OREGON.

Phone: AT 2-3262

E. V. PRENTICE CO. LTD.
5936 Fraser Street
Vancouver 15, B. C.
Phone: FAirfax 5-5212

HATS OFF to the independent jobbers of America

the hustling, courageous independent jobbers who form the very necessary link between factory and dealer

☐ Yes, our hats are off to you, the independent jobbers who are responsible for vigorous free enterprise in the forest products industry. ☐ Through your faith in our products, policies, and service . . . through your courage and invested capital, we, the manufacturers of quality Blue Ribbon products, have enjoyed steady growth. We are grateful for your confidence in us. ☐ But to be grateful alone is not enough. We want you to know that we are pledged to find ways and means of improving our quality, of developing new and better products, and through Clear Fir Sales Co., of rendering ever improving service.

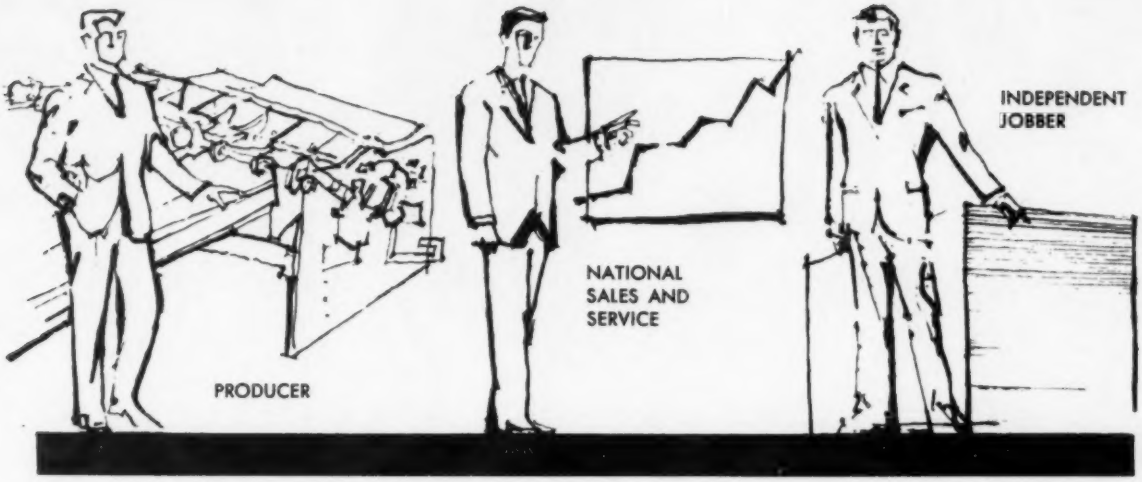
OUR HATS ARE OFF

NATIONAL PLYWOOD, INC., Adrian J. Standley, President **OREGON VENEER COMPANY,** A. B. McGuire, President **KLAMATH HARDWOODS, INC.,** A. J. Honzel, President **CLEAR FIR PRODUCTS CO. OREG., LTD.,** J. R. Nell, Plant Manager **DRAIN PLYWOOD CO.,** Harold Woolley, President **MYRTLE CREEK PLYWOOD, INC.,** William Vance, President

BLUE RIBBON

FOREST PRODUCTS

FIR PLYWOOD (INTERIOR AND EXTERIOR), HARDWOOD PLYWOOD, SHEATHING, STUDS, KILN DRIED CLEARS, PANEL DOORS, FLUSH DOORS, HARDBOARD



IN UNITY THERE IS STRENGTH

Our hats are off to you, Mr. Independent Jobber. Thanks to you 1959 has been a record year for Clear Fir Sales Co. and the Blue Ribbon producers we represent. We appreciate the high percentage of repeat business you have sent us.

We serve both the producers of Blue Ribbon Forest Products, and you, the Jobbers of America, thru whom 100% of our product is marketed. Results convince us that you approve of our service policies, and with your constructive suggestions we hope to be of even more service to you in the future.

SEVEN SALES OFFICES TO SERVE YOU

Listed below are our seven strategically located sales offices. They are staffed with experienced personnel to serve you. Please call the representative nearest to you for assistance. Here's to a bright future, which you, the Independent Jobber so richly deserve.

CLEAR FIR SALES CO., Frank S. Clarke, Director of Sales

HOME OFFICE:

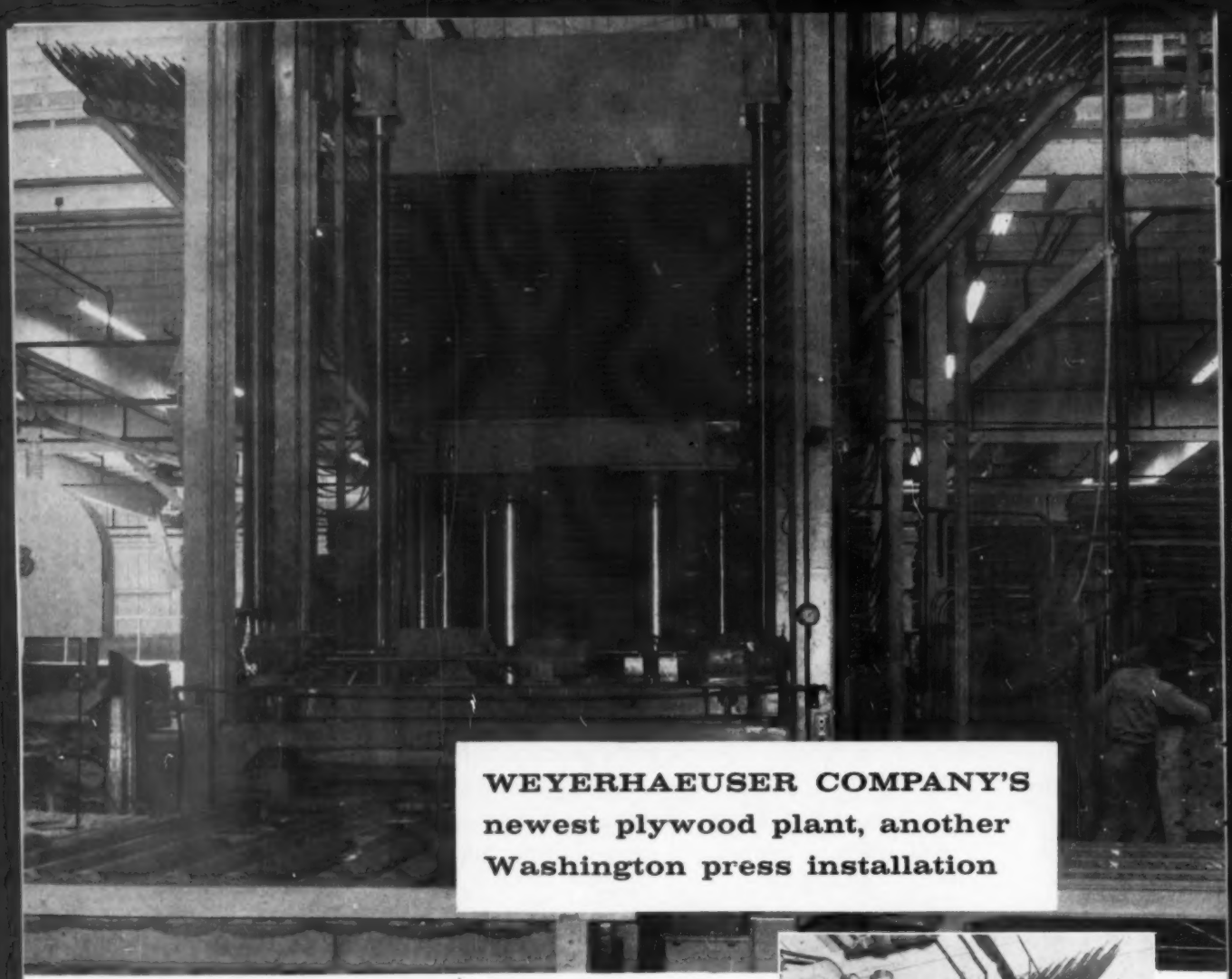
CLEAR FIR SALES CO.

P. O. Box 188 • Springfield, Oregon
Phone, Riverside 6-4481 • TWX SPFD 3072

BRANCH OFFICES:

SAN GABRIEL, CALIFORNIA • KANSAS CITY, MISSOURI ATLANTA, GEORGIA • DALLAS, TEXAS • BALTIMORE, MARYLAND • CHICAGO, ILLINOIS • MEMPHIS, TENN.

OUR GOAL IS TO: • Give you a good product • Keep our promises • Give you prompt action • Help solve your special problems with special service • Competitive prices • Protect those with whom we do business • Back the above with ACTION



WEYERHAEUSER COMPANY'S newest plywood plant, another Washington press installation

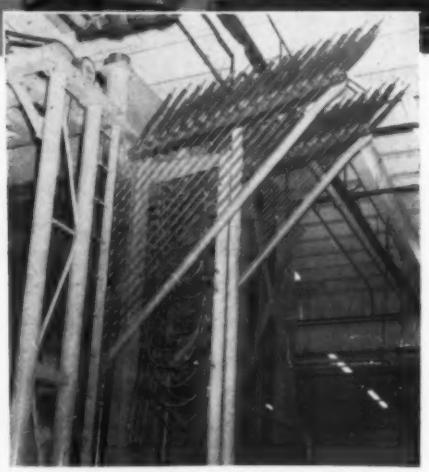
PLANT ENGINEERS: Weyerhaeuser Company
PRODUCT: Softwood PLYWOOD

The Weyerhaeuser Company is in full scale operation of their newest and most modern plywood plant.

For this plywood plant, a key to high production is the Washington-designed and built pressing stage equipment consisting of elevator-type charger, 30-opening multi-platen hot plate press and unloader-stacker.

The press, designed, engineered and built to match Weyerhaeuser's requirements for this plant, incorporates a new, patented simultaneous closing counter-balancing system. This effective, simplified system speeds up the closing cycle to one-third the time of conventional presses and contributes to quality control by insuring equal platen pressure on all thirty panels in each load at all times.

Washington presses and accessory equipment units are designed and built to meet individual plant and process requirements. For complete information write to Washington Iron Works, 1500 Sixth Avenue South, Seattle 4, Washington.



In the top photo the Washington press is in closed position during the curing cycle. The lowered charger is in the foreground. In the small photo is a close-up of the exclusive counterbalancing system in the fully closed position. The pantagraph mechanism on both sides of the press assures even pressures on all platens during the pressing cycle.

HOT PLATE PRESSES • PULP BALING PRESSES
SPECIAL HYDRAULIC PRESSES • AUTOMATIC PRESS LOADERS AND UNLOADERS
COMPLETE DRY PROCESS HARDBOARD FORMING LINE EQUIPMENT

WASHINGTON IRON WORKS

WASHINGTON PRESSES

and ACCESSORY EQUIPMENT

Plywood Keeps Growing

(Continued from page 49)

Q. How can a more stabilized market be realized—a factor that builders repeatedly say would increase plywood sales.

A. The answer to that is very simple. Most problems in the plywood industry today would be solved by a full order file. We need a bigger and more effective sales effort. This may mean more expenditures on sales promotion, sales management and sales training. It may require increased association investment. We need to keep at it until sales and production are brought into balance.

Q. How essential is grade-trademarking to the future of the plywood industry?

A. Much of our consistant growth can be traced in large part to our grade-trademarking policies based on rigid standards backed by the association's industry-wide program of quality testing and supervision. This gives the buyer assurance of quality. Without it, our markets would diesappear. As we reach for broader markets, grade-trademarking policies will take on added significance.

Q. What have been the major factors in the continued growth of the plywood industry and what will the industry have to continue to do to maintain and improve its position?

A. The big factor in the growth of the plywood industry has been the manufacturers' support of a joint promotional effort big enough to create markets in which all share.

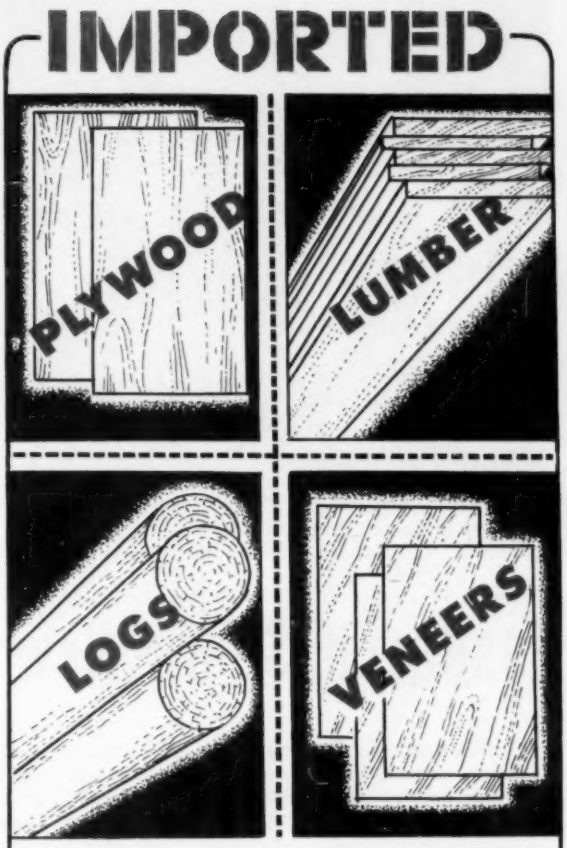
Our promotion has always started with the specifier—the architect, the builder and the industrial designer. Advertising cannot begin to do the whole job. We must walk into their offices and give them the ideas and the know-how to use plywood in fresh and imaginative ways. That's why we're pushed our field promotion force to 60 men and this year we're increasing it to about 80. I feel our direct field-level sales promotion effort is the heart of our promotion. Trade paper advertising to specifiers is second, and last comes consumer advertising. In the future we are going to need more research, better quality and new products. We will probably need a larger outlay for industry-wide sales promotion. These are the tactics that have stimulated plywood's expansion in the past. They will be even more important in the future.

Q. In your opinion, could some of these principles be applied to lumber products to help increase the over-all sales and product improvement?

A. The lumber industry, as well as many other industries, could afford to do more in this direction than they have in the past. This, of course, requires solid support by individual manufacturers. In the plywood industry we have been fortunate in the support our industry has given us. That is the first essential to real progress.

Q. What about future growth for the plywood industry?

A. We've been increasing plywood sales at the rate of 10 to 15 per cent a year. Production is expected to go well above 7 billion feet for 1959. However, as we get larger, we cannot expect to enjoy the same percentage increase, but we will be able to increase plywood consumption substantially in the years ahead. ■■



A TRULY DEPENDABLE SOURCE OF SUPPLY

- Quality products from the world's best Mills
- Dependable service from quotation to final delivery
- Over 50 years experience in the export-import field
- Prime importers serving the wholesale lumber trade exclusively

Call the Atkins, Kroll representative nearest you for dependable and accurate information and quotations on all imported wood products:

ATKINS, KROLL & Co.

Main Office: 417 Montgomery St., San Francisco, Calif. • SUtter 1-0318

FORT WORTH, TEXAS — F. W. Stanley, Jr. — P. O. Box 1983 — WAlnut 7-7117

PORTLAND, ORE. — 421 S. W. Sixth Avenue — CApital 7-5431

LOS ANGELES, CALIF. — 417 South Hill — MAdison 6-4757

NEW YORK, N. Y. — 500 Fifth Avenue — BRyant 9-8436

CHICAGO, ILL. — Hascall-Holliday — Chicago Daily News Bldg. — ANdover 3-2395

GRAND RAPIDS 6, MICH. — R. D. Burkhead & Associates — 822 Cherry, S. E. — Glendale 4-9674

DFPA top technical directors in session are, left to right: T E. Batey, Jr., product research; John M. Hess, technical director; Arthur E. Larsen, quality supervisor; Robert Ripley, quality control; D. R. Countryman, applied research.

Research Spurs New Products, New Markets

Quality supervision program is an accepted part of the industry today, after more than 20 years of successful operation.

A staff of 36 supervisors is charged primarily with helping the industry keep its production up to snuff by continuous inspection, does much more than just blow the whistle on infringements of industry standards.

Not long ago one member mill asked for help. Too great a percentage of low-grade veneer seemed to be developing. The profit picture was going awry.

One of several specialists on veneers was sent into the mill by Arthur E. Larsen, chief of quality supervision. He studied the mill's operation for 10 working days, carefully watching the grading process. At the end of this period he was able to tell mill management it could upgrade its production by a number of specific changes in the grading operation.

This specialized service, one of many performed by the supervisors for DFPA members, has little relation to inspection, since no customer is going to complain because he is getting better grades of veneer than he paid for. But it's plenty important to the mill.

Reinspection of challenged shipments is another unique DFPA service. In an instance where a jobber complains to a mill that he has received substandard panels, and differences are otherwise difficult to resolve, a DFPA quality supervisor may be sent to regrade the shipment. His unbiased report of findings forms the basis for an equitable settlement. On the other hand, if the complaint is

Testing scores of coatings in the product research section of DFPA are T. E. Batey, Jr., right, and Harry Jorgensen, who are checking some results of the rigid studies made.

Testing engineer Fred Pneuman puts a carefully measured load on a king-post truss in applied research laboratory at DFPA. Many exacting tests are made on strength.

They Make Research Work

The technical department of Douglas Fir Plywood Association has five separate laboratories and ninety technical personnel, including engineers, chemists, technical writers, wood technologists and quality supervisors.

The expanded service was initiated seven years ago under N. S. Perkins, former technical director, now a special assistant to managing director, W. E. Difford. This represents a decided shift in emphasis in the association's program. Out of it has come a number of research reports and data which have accounted for much of the more imaginative design work being done today on actual structures.

Convinced that continued expansion of plywood markets will rest in large part on basic laboratory research and technical development, W. E. Difford, managing director, has increased the department's budget for 1960 to $1.4 million, second only to the association's advertising expenditures.

A year ago John M. Hess, a University of Illinois graduate and a war-time major of combat engineers, was named technical director. Hess was named assistant to Perkins in 1955, after four years as DFPA field promotion manager in the Chicago region. Before that Hess was employed by Swift & Co., as an architectural engineer.

Mr. Hess's expanded department is organized into four sections. The largest in point of manpower is quality supervision, headed by Arthur E. Larsen. The section includes 36 quality specialists who carry out the association's production line checks and random sampling procedures which help to assure a dependable finished product.

The second is quality control, headed by Robert H. Ripley. This section includes three laboratories and is primarily responsible for testing mill samples for conformance to industry standards together with extensive research in the field of glue bond quality.

T. E. Batey, Jr., handles the product research division, which is concerned with the physical and mechanical properties of plywood in panel form.

The applied research division, headed by David R. Countryman, develops new engineered applications for plywood and provides design and engineering advice to plywood specifiers.

Working outside these divisions, directly under Mr. Hess, is Robert Waring, an architect, who is currently applying his talents to the development of erector-set building methods, particularly those suited to low cost utility structures.

not justified, the mill is protected from an unjust claim.

Special inspections are often requested by mills as a check on their own methods.

Grading of plywood and veneers calls for a degree of technical skill required in very few similar jobs. DFPA employs scores of experts in various plywood specialties.

Only quality supervisors are authorized to conduct official reinspections and only this group of men is qualified or authorized to make selections of veeners to be subjected to special tests.

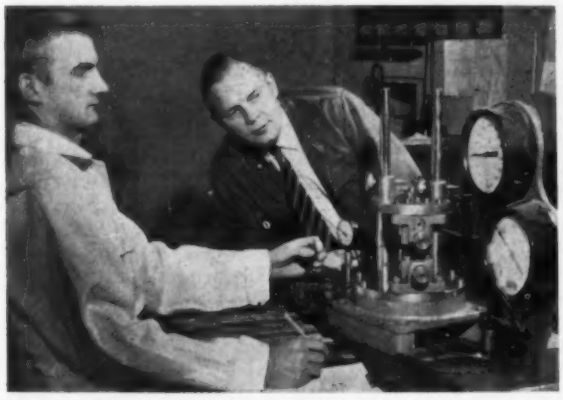
When veneers of specific grades were required by the U. S. Forest Products Laboratory at Madison, Wis., for strength studies, these specialists selected the veneers.

Species certification is a new service of Larsen's section. The program was worked out under the direction of John Hess. This calls for a new kind of specialist to segregate white fir (Abies Concolor) from the rest of the true firs, making it possible to use the latter in the manufacture of softwood sheathing interchangeable in some applications with PlyScord.

Since white fir is found mixed with Group 1 species in some areas of Oregon and California, it has to be segregated before the logs reach the barker, because of the impossible task of telling one species from another in veneer form.

Logs are marked in the yard or pond by men qualified to distinguish the species by bark characteristics. There must be no question about the qualifications of this new breed of quality supervisors. The administration of the system has to be fool-

(Continued on next page)



Quality control section head, Robert Ripley, right, observes a test specimen in shear machine. Ripley's staff specializes in testing and research on glue and glue lines.

Testing chemical joints for use on exposed plywood roofs, Arthur Gruhl, product research staff engineer is applying mastic to a plywood joint—one of many projects underway.

proof, to protect present markets. The program was put into force late last year.

Larsen, with the firm support of Hess, is a strong believer in the DFPA system that prohibits permanent full-time assignment of a quality supervisor to a single mill. Both men believe that the random sampling of the work of each shift on a non-scheduled basis is essential to maintaining the present quality of plywood and that the absence of continuous intimate day-to-day contact with mill personnel allows the supervisors to maintain a more detached and impersonal viewpoint.

Larsen carries this system a step further by moving each supervisor out of his permanent territory once a month for a period of a week. By switching the men around it's possible to bring a fresh viewpoint to bear on every mill.

"In a way, we've got a job nobody else wants," Art Larsen explains. "It's easy to think of us as the unpopular guys who get in the way when you're trying to make a buck.

"But really, it doesn't work that way. Few mills want to put out a product that's going to hurt its sales. When we check an operation, the mill operator is almost always glad to know when some little thing is wrong. The sooner he knows, the faster he can correct it and keep from alienating a customer."

Larsen, who started with DFPA in 1934 as one of its first crew of inspectors, probably knows more about the grading of plywood and veneer than any other man and is a leading expert on how it goes together. He has seen the quality supervision program grow from its earliest beginnings and has worked closely with industry committees as changes have been indicated.

It's been through his know-how that DFPA has developed ways to get vital information the mills need to maintain their own perspective in production practices.

Four times a year, for instance, detailed figures go out to each member mill showing how it stacks up against the industry average in grade survey results, patching practices and quality and other vital areas. This information is provided by the quality supervisors, who can make a rapid, detailed survey often involving as many as 30,000 panels.

TROUBLE-SHOOTERS keep plywood quality up.

A few months ago plywood samples from a member mill began falling apart during quality control tests in the laboratories of the Douglas Fir Plywood Association. Delamination problems threatened the mill with loss of the grade-trademark stamps.

Mill officials went feverishly to work, trying to find the trouble.

Then they called on DFPA for technical help, provided now under a new program that makes a staff of expert trouble-shooters instantly available to help solve almost any manufacturing problem in a minimum of time.

Dryer problem spotted. As one of a number of checks, and using special instruments, the DFPA specialist tested temperatures at different locations within the dryer. Here he located the culprit: lack of properly distributed dry temperature.

Green veneer was brought in from an outside source. Some was dried on the normal schedule, some on a schedule modified by the DFPA man. Another group of the same veneers was dried in an outside mill where good conditions were known to exist.

All three batches were then taken to the DFPA quality control laboratory and glued up into plywood under rigidly controlled conditions. Two types of glue were used, as a double check.

3 THREE Answers To Your Lifting Problems From American's Automation Line!

For Complete Information Ask for Bulletin AMC-9000

AMERICAN'S Series M-1223 Lifts are designed for heavy industrial applications—to handle heavy sheet material, lumber, structural steel, brick and tile, as well as bulky, heavy or awkward pieces. Lift platforms are furnished with checkered or plain steel plate, gravity rolls, powered rolls, or powered chains. Wheels are an optional feature.

AMERICAN'S Series M-1202 Lifts are truly the "Jack-of-all-Work". Ideally suited for handling intermediate sized loads of sheet materials, bulky items, or heavy awkward parts.

The M-1202 Lifts, as well as the other lift series, can be equipped with wheels for floor or track mounting, recessed into the floor for permanent installation, or set on the floor surface to be moved by lift or fork truck, where necessary.

For Complete Information Ask for Bulletin AMC-6000

AMERICAN'S Pantograph Lift Tables, in the M-1170 Series, have been designed for all industries using pallets or skids. The Pantograph Lift Tables are characterized by their small platform sizes, high travel, capacity range and maneuverability when equipped with wheels. Loads can be positioned at any point on the up or down travel and work is accessible from all sides and levels.

For Complete Information Ask for Bulletin AMC-5000

American MANUFACTURING COMPANY INC.

2119 PACIFIC AVENUE • TACOMA, 2 WASHINGTON, U. S. A.

By submitting the samples to the normal cycles of testing, the laboratory was able to tell the manufacturer his delamination problems were the result of his drying schedule, which needed modification.

The mill called in the firm from which it bought the dryer, modified its equipment and changed the drying schedule.

This was one of the first jobs undertaken by the new trouble-shooting staff, and took longer than most projects. Several calls were required in the mill and considerable laboratory work. Yet the elapsed time for discovery of the delamination until the cure was complete, was only about four weeks.

Other defects traced. Another problem, triggered partly by evidence of job failure and partly by test results, required the presence of three DFPA experts for three days. Careful checking and testing in the mill revealed that glue-line failure could be corrected by a change in working procedure.

A third call for help came from a mill where blistering was the symptom of something amiss. Observation of gluing practices with respect to control of veneer stock turned up the ailment: Veneer marked by the automatic moisture meter was not always eliminated from the line. The management was quickly informed and another case closed.

This unique new program, another of the services offered by DFPA's technical department, is under the supervision of Robert H. Ripley, chief of quality control since 1948. It dovetails with a number of other projects administered by Ripley, along with his more obvious job of overseeing the continuous testing program of mill samples.

Glues and glue-lines are Ripley's special preserve. Laboratory work done in the past is paying off in better products now, and the current studies, including research on mold-resistant glues and the gluing of difficult materials, will improve plywood manufactured in coming years. In addition to the Tacoma staff and facilities, Ripley is in charge of testing laboratories at Arcata, Calif., and at Eugene, Ore.

Much work is routine, such as testing of every glue proposed for use in DFPA mills. Another project that has now become almost a routine is the rigid testing program set up for any protein glue additive proposed as a substitute for pentachlorophenol for mold-resistant plywood, required now for all structural applications.

A chamber designed as a perfect environment for mold cultures houses the samples, which are tested as part of a program that started during World War II when the armed services desperately needed moldproof material for hutments in the tropics. The first work was done by the U. S. Forest Products Laboratory on this problem, but it has been carried forward by Ripley and his crew.

Reports are being prepared now on a study concerned with the gluing of larch veneers. Western larch, which abounds in the Inland Empire region of Montana, exudes a sugary substance called galactin during drying which remains on the surface as a deposit. Laboratory work showed that special attention is required in the bonding of these veneers with exterior adhesives.

Another valuable study concerned evaluation of glue bond qualities obtained with veneers from an oil-fired dryer. Also typical of projects undertaken for individual mills was work done on problems of gluing high density laminates to plywood.

A big advantage of Ripley's section, so far as DFPA member mills are concerned, is its versatility. It is equipped to make on the spot evaluation of the efficiency of spreaders, hot presses and dryers and can determine very quickly the moisture content of veneers or plywood and the viscosity of glue.

But where the problem to be solved requires rigidly controlled conditions excluding random factors—in testing a new glue, for instance—laboratory facilities can be brought into play, producing limited quantities of plywood under controls impossible in a mill.

The trouble-shooting staff is due to be expanded in 1960, along with other technical department sections, making it even easier for a mill to solve its problems and get on with the business of making high-quality plywood.

TRANSLATING IDEAS INTO PRODUCTS and design is the job of the Applied Research department. Headed by David R. Countryman, this department has had a lot to do with 15 years of record sales.

A good example of the contributions Countryman's staff makes to the sale of plywood would be their research on folded plate roofs.

Not so long ago, rarely-seen folded plates were executed only in concrete. As a result of work in the DFPA laboratory, design theory applicable to plywood verified by exhaustive tests was made available to engineers. Today uncounted thousands of square feet of plywood have been used on folded plate roofs.

(Continued on next page)

But, of course!
WELSH
PANEL CO.
Longview, Wash.
is foremost in custom panel prefinishing!
Did you say I can get my panels custom prefinished?

WELSH PANEL CO.
Longview, Washington
... specialists in custom prefinishing of your interior panels, plywood siding. Also V-grooving, grain printing. (Your stock or ours.) Will handle panels up to 4' x 48' x any length!
Phone HAmilton 5-6080

Make enquiry today!

LPR 12-9

WELSH PANEL CO.

P. O. Box 329, Longview, Wash.

☐ Please send me free literature.
☐ Please send price lists.

Name_____
Title_____
Firm_____
Address_____
_____
City_____ State_____
(Zone)

Much of the confidence in engineered plywood construction has developed because of Countryman's approach to his job.

"This is very interesting," he might say, leaning over a set of drawings, "but it will probably fall down."

This is not to say that Dave Countryman is given to making spur-of-the-moment decisions or that he is pessimistic. His background makes it possible for him to analyze engineered plywood applications better, perhaps, than any other man in the world. His realistic viewpoint rejects both optimism and pessimism. If one possibility includes failure, that possibility must be eliminated.

To go about eliminating the possibility of failure, Countryman has, in addition to his personal resources, a staff of specialists who work both in the analysis and actual construction and testing of plywood structures.

His section performs two broad functions—testing and writing. Under the first comes most of the work on specific projects such as folded plates. In Countryman's words, "we modify and develop existing or new structural applications of plywood and provide information that architects and engineers can use."

The writing includes the preparation of technical literature and answering some 1,500 letters a year that come in asking for information or design help.

In the big laboratory behind Countryman's office, one of several structural engineers on the staff is running load tests on a newly-designed kingpost truss, with single plywood gussets. Piles of bricks stand nearby, to be loaded on slings attached to specific points on the lower chord. Combined with hydraulic jacks that will pull at a series of points on the top chord, the graduated weights eventually will destroy the truss. But by then the engineer will have the information he wants: a more economical way of producing kingpost trusses using plywood gussets.

Another structural engineer is starting a project: providing generalized design equations on new plywood roof systems. Right now he's working with a slide rule, but later he'll be in the laboratory testing his theory with examples of some of the designs.

Thin shell. His work is being directed toward a better understanding of variations of the various thin shell applications of plywood, such as trapezoidal folded plates, space planes and other systems. The space planes are something comparatively new. One illustration in this issue would be the 13 plywood pyramids used to roof a Hope, Indiana, bank.

A third engineer, who has just finished a series of tests on tongue-and-groove 2.4.1 that has provided the plywood industry with a dependable new product, is completing a report that will include the technical data he accumulated. At the same time, he's already beginning to think about his next project, which will be aimed at providing data on a box beam to go with the 2.4.1 system.

Box beam. One of the first projects Countryman was involved in after joining DFPA was the box beam. Tests he ran in 1943 and 1944, when the wartime steel shortage made the development of a new, long-span beam necessary, provided the basic data that has opened the way to the use of additional uncounted millions of feet of plywood.

Another component that has become a basic building block of modern construction is the stressed-skin fir plywood panel. Much of the authoritative data—usable information—that has become available in this field originated in the DFPA laboratory. A new study has just been completed that investigated seven separate

OROPLY CORPORATION
Manufacturers of "NUGGET" BRAND
FIR PLYWOOD -- DFPA
SANDED • SHEATHING • PLYCRATE • INTERIOR • EXTERIOR
DANT AND WARNOCK, INC.
855 Santa Cruz Ave.
MENLO PARK, CALIF.
Exclusive National Sales Agents
Phone: DAvenport 3-0004
Teletype: Palo Alto 104-U

Member of Douglas Fir Plywood Association

SOLD THROUGH WHOLESALE DISTRIBUTORS

areas in the fabrication and application of stressed-skin panels.

A list of new projects immediately ahead includes sandwich panels with a foamed-in filling of polyurethane; plywood goedesic domes; new tests on beams; space planes; rigid frame structures using box beams; tests on hyperbolic paraboloids; vaulted, thin-shell panels; the three-hinged arch, and tests on folded plates to determine the effect of compressive forces on the top chord. The list grows every day.

Through the staff of technical writers, this section can provide advice to architects and engineers on specific structural problems. Each writer specialist is a licensed engineer.

"We're not trying to compete with professional engineers or designers," Dave Countryman emphasizes. "We haven't the staff to attempt detailed designs for everyone who wants them, anyhow. We make specific recommendations of a particular application of plywood, and we check design calculations or details, if we're asked.

"About what it amounts to is this: We have specialized knowledge here, and we want to place it at the service of anyone who needs it. One of our objects is to provide design examples of a general nature that will help show practicing architects and engineers how to design with plywood.

"We've had quite a lot of success and I think the attitude of the industry has been responsible for much of it. We try to be sensitive to what the members want, and conversely they have relied largely on our judgment as to what areas of research offer the best potential in future plywood sales. We're in pretty close touch with the designers and specifiers, and that way we've been able to judge pretty well what needs to be done.

"We've consulted a lot with industry committees on the technical aspects of manufacturing. They've asked for, and we have furnished strength data on the basic panel for sheathing and roofing. But there's never been the shower of directives and counter-directives that plagues many industry research setups."

Search for materials is the job of the Technical Department's research laboratory headed by Tom E. Batey.

Probably the biggest news of the moment is the wedding of plywood to other materials.

The new synthetic resins—epoxy, polyester, polyethylene, urethane—are involved, along with dozens of fillers and binders for bulk and strength. Special surfaces in combination with these materials are appearing, some already in successful and varied use.

Competing materials in some applications, such as steel and aluminum, are being bonded to plywood for special-purpose and special-appearance uses. One aluminum manufacturer is developing a machine to literally wrap plywood in aluminum foil.

The finishes vary from attractively-textured fiber glass to glassy smoothness in a variety of materials and colors to the rugged, crushed-rock and sand-aggregate surface for roof and sun porch decks.

Research and testing on coatings is the most interesting immediate aspect from a marketing standpoint.

However, the work on the mechanical properties of plywood can have more far-reaching effects on the economics of the plywood industry. This year, Batey's division must gear up to handle the industry's proposed expanded research into the strength properities of the various western softwood species.

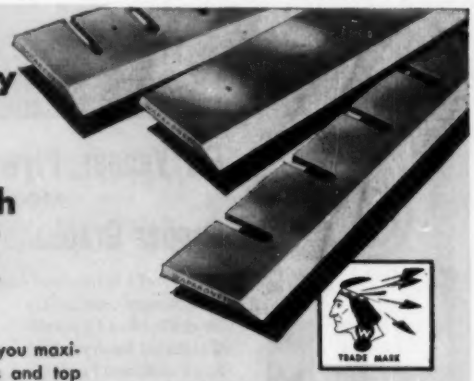
The long term objective is data providing an accurate correlation of veneer and plywood strength with the properties of lumber from the same wood species. This research will be carried out in cooperation with the U. S. Forest Products Laboratory.

The project shapes up as one of the most significant the division has undertaken since it was organized

(Continued on next page)

veneer quality and profits can be increased with

WAPAK KNIVES



WAPAK Veneer Knives give you maximum service between grinds and top cutting quality. Each knife is custom-made of the proper analysis of electric-induction tool steel. Precise tempering enables it to take and hold a perfectly straight, super-keen edge . . . to withstand the shock and abrasion of grueling service.

Features like these are your guarantee of better veneer mill operations:

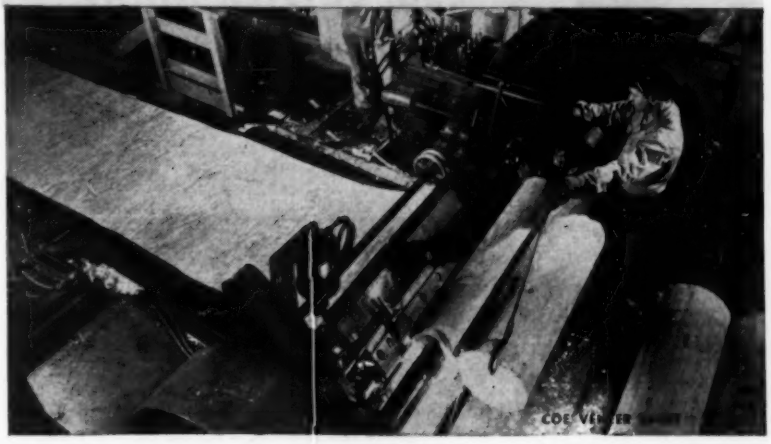
1. Choice of proper analysis steel to suit the type of wood you are running.
2. True cutting edge and polished finish on face side for uniform production and long wear.
3. Knives up to 213 inches in length with the same toughness and uniformity of hardness as smaller sizes.
4. Carefully-maintained records to assure exact duplicates without costly delays.

A complete catalog is free. Write for it.

THE WAPAKONETA MACHINE CO., WAPAKONETA 3, OHIO

Knives Engineered for the Job Since 1891

Export Div.: 30 Church St., New York 7, N. Y.



about a year ago. Meanwhile, Batey's work on coatings for plywood suggests that within a reasonably near term, the industry may have some new products with which it can hope to capture new markets.

There are several advantages inherent in a satisfactory coating. First, it will provide a made-to-order market for the plywood industry in the sale of low appearance-grade panels. A "C" face is just as acceptable as an "A" grade face if it's covered with a suitable surfacing material.

While many of the coatings are expensive compared to paint, for example, one of the properties being developed is semipermanence. This, coupled with color-fast and maintenance-free surfaces, brings the long-term cost much lower.

These properties contribute to another advantage in erection. A building using pre-surfaced panels enjoys simultaneous paneling and finishing. Costly remodeling shutdowns are eliminated in most cases.

Components, many of which present finishing problems, could be trucked to the job in a finished form they would retain indefinitely.

These advantages all are inherent in the coating. Add to these the benefits already accruing to plywood construction and the argument for prefinished panels, in logical applications, becomes enormous.

An acrylic finish for aluminum has been developed that in color-fast and can be formed with the sheet. Colored foil can be twisted, bonded, bent and rolled with no damage to the finish.

But a DFPA requirement for finishes is ease in maintenance and repair of damage. Aluminum surfaces make repair of punctures difficult.

A real problem with metal finishes is posed by the joints. A lap joint, where the foil protrudes over the edge of the panel, is being tested. Whether or not this will be the answer remains to be seen.

Joints, while still a problem, are not quite so frustrating in the resin finishes. Several approaches are being studied and Batey has at least one test panel in the laboratory with an undetectable joint.

One set of synthetic finishes can be divided into three groups, for purposes of discussion, although they all share the same problems.

The groups include resin finishes; resin and fiber glass, either continuous or chopped strand, and aggregate finishes, used with either of the first two.

Some of the finishes in each group are subject to fine checking, like that prized by antique china fanciers. Some simply crack when subjected to weathering tests. In others, the color bleaches out. A few finishes either shrivel up in the sun or collapse under rain and develop leaks. Several, because of their hard, brittle nature, present problems in nailing or fastening. Others are simply too expensive in comparison with others in the same group. Application problems loom large for some types.

Encouraging results are being produced by a substantial number of finishes, however, and practical coatings are close to being announced.

The resin-only finishes, either clear or opaque, would have applications mostly in appearance situations. This finish would neutralize the plywood surface and could be grained, for instance, as a permanent finish for components.

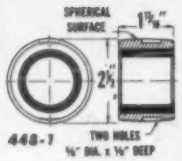
Fiber glass, either in continuous roving or as chopped random fibers, can be added to give strength or texture to the finish. Pigment may be added to the resin for color.

A slip-free surface is produced by spraying sand or other abrasive material over the final coat of resin in either method. This technique has been used for sun porch decks and roofing material already, and appears to have a good future. Marble chips or crushed rock also can be scattered or sprayed onto the tacky resin.

One thing all these applications share is an attractive appearance. Every texture is represented and virtually every color. ■■

OPERATE DRY TO 750°F IN AIR

(Higher temperatures in inert atmospheres!)



For Veneer, Plywood or Board Dryers

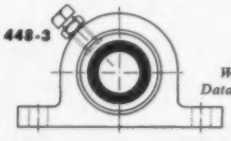
MODEL 448-1

Copper Graphalloy Bushing Assembly

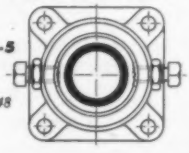
Model 448-1 is simple to install
New hanger unnecessary
Long life (5 to 10 years)
Unaffected by dryer fires
Stops shaft and housing breakage

Spherical O.D. housing insures self-alignment if dryer warps, settles, expands.
24-hr. operation 7 days each week (No downtime for maintenance, replacement or greasing)

REPLACE GREASE-LUBRICATED ROLLER BEARINGS WITH MODEL 448-1 or INSTALL COMPLETE ASSEMBLIES 448-2, 448-3 or 448-5



Write for Data Sheet 448



SEND FOR DESCRIPTIVE LITERATURE AND DATA SHEETS

GRAPHALLOY

SELF-LUBRICATING SAW SHIFTER GUIDE

with GRAPHALLOY Insert

PROVED IN SERVICE

ADVANTAGES
Reduced Friction
Long Life of Guide
Reduction in Saw Wear
Damping of Vibration
Increased Accuracy of Cut
Minimum Attention

PREFERRED SIZES			
Part Number	Brass O.D.	Threads per inch	Overall Length
651-07	⅞"	9	1¼"
651-08	1"	8	1½"
651-11	1⅜"	6	1⅞"
651-12	1½"	6	1⅞"
651-14	1¾"	5	1⅞"

Write for Data Sheet 651 and Catalog 4

Please send the following information

☐ *Data Sheet 448.*

☐ *Data Sheet 651 and Catalog 4.*

NAME AND TITLE

COMPANY

ADDRESS

CITY ZONE STATE

GRAPHITE METALLIZING CORPORATION

1081 NEPPERHAN AVENUE
YONKERS, NEW YORK

$5.5 Million

for promotion and research in 1960 will include:

- More advertising
- Increased research
- 20 new field men
- Expanded PFS
- Special promotions

At work on a new series of advertisements are DFPA's advertising agency men, Don Snope, art director, seated, and Harold Dixon, partner in the advertising firm.

Western fir plywood manufacturers will funnel a record $5.5 million into research and promotion in 1960. According to W. E. Difford, managing director of Douglas Fir Plywood Association which administers the program, this is the biggest budget the manufacturers' finance committee has ever recommended to the industry.

Biggest single expenditure will be for media advertising. The biggest increase over the previous year's budget occurs in the area of technical work. Funds for research and testing have been increased $280,000. While some of this increase will go to quality control and testing, the largest part of the increase will be for product research and applied research.

The association is considering an investment of another $200,000 over and above this increase on a pilot plant for the manufacture of plywood under laboratory controlled conditions. The pilot plant will probably be necessary for studies aimed at more accurate evaluations of plywood physical properties based on new data for all western softwood species.

The industry hopes the new data will be forthcoming when a proposed cooperative research effort with U. S. Forest Products Laboratory has crystallized.

Although the association's 1960 budget puts heavier emphasis on technical phases of the industry's joint program, it includes some major changes in promotional activity.

Expanded field force. Twenty more field men will be added in the continuing expansion of the field promotion program, upping the total force to about 80 men, according to Mr. Difford. The field promotion men all have technical and professional backgrounds in forest products, design and engineering.

Although the specific figure for media advertising was not discussed by the association in detail, it will be in the neighborhood of $1.5 million. The biggest innovation will be direct to consumer farm advertising aimed at making as big a splash as possible in what many manufacturers consider to be the last great unexploited mass market for plywood. Farm advertising will be backed by more intensive merchandising and field promotion effort than in past years with more emphasis on new, simplified "how-to" plans for myriad practical farm structures.

Marine field. A four-color campaign in the marine field will be launched, designed primarily to build confidence in plywood boats as a counter move against plastics which have undermined belief in the values of wood as a good material for pleasure boat construction. The aim is to support the wood boat manufacturer who uses marine plywood in large quantities for both hulls and fixtures.

Double duty siding. Another special effort will go into promotion of "double duty" siding—the application of fir plywood as combination siding-sheathing. According to Mr. Difford, there is a tremendous opportunity to win back a major share of the market plywood has lost in siding by selling over-laid plywood as a panel that can do two jobs at once.

The association said these are all special promotions in addition to the basic program. This involves a continuation of the industry's spectacular multi-page spreads in construction magazines, consumer advertising geared to selling plywood as a quality material for today's fine homes, a broad program of merchandising and the two-home campaign.

Components will be pushed–both technical development in the laboratory and promotion direct to the user and specifier. Right now, the bulk of the association's effort in this direction is concentrated in backing the infant Plywood Fabricator Service, Inc., which will be expanded on a national basis in 1960.

The 2-home family promotion will get underway seriously this year, selling the idea nationally through advertising directed to the consumer, financing interests and builders. At least 20 plans will be ready to back up the special campaign while a concentrated test is being run in San Francisco to determine financing methods and acceptance. ■■

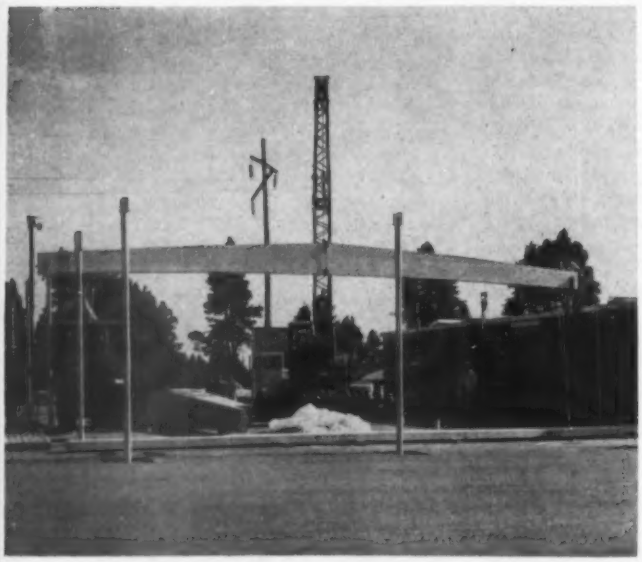
PFS to Expand Nationwide in '60

The first fabricator member of PFS was Robert Carlson's Walco Service, Inc., of Chesterton, Indiana. Here Carlson, left, and PFS executive vice-president W. D. Page re-enact the signing of the first contract. There were 16 members during the pilot stage in 1959. By the end of 1960 it is expected that the PFS will have several hundred members throughout the nation. At left is the now familiar Plywood Fabricators Service trademark shown being applied to the heel gusset of a rafter.

Plywood Fabricators Service will move out of its pilot stage into a nationwide network of laboratory and engineering services during 1960. So says W. D. Page, executive vice-president of the service that was set up by the Douglas Fir Plywood Association in 1959.

Designed to serve the architect, home buyer and builder as well as

Here's How a Component Fabricator Erects



Steel posts sunk in concrete furnish support for glue-laminated wood beams placed into position by mobile crane. Also used in this building were two plywood box beams. All components in the shelter were trucked to the site and erected with a minimum of handling.

Stressed-skin panels 4x16 feet form the walls. They were manufactured at Simpson Logging Co.'s Lyons, Ore., plant. The overlaid plywood used in the fabrication of the box beams was manufactured at the Simpson Olympic plywood plant in Shelton, Wash.

the fabricator, the service had almost immediate success in its pilot stages. The original program offered quality control, uniform specifications, testing, sales promotion and engineering assistance to component fabricators.

Component supply grows. Several radically new building components have been created with PFS help in the organization's first few months of existence. The possibilities opening up with the nationwide service appear unlimited.

With a number of manufacturers in every area able to mass produce any given component, designers and builders alike will be better able to supply a well-styled house to any buyer. The standardized pieces, carefully engineered and with applications limited only by the imagination, can be put together in infinite numbers of ways.

PFS provides for components the same standards of integrity supplied by DFPA for the basic fir plywood panel. Tests are conducted for glue application, glueline strength, moisture content and engineering practice.

For the architect and his client, it will mean dependability for the styling innovations in a house; the ready availability of standard components such as beams, bents, trusses and panels.

For the large builder PFS provides a wide range of possible variations in tract houses; the strength and versatility of components; less construction cost, more space for the buyer's money. The smaller builder reaps the same advantages plus the research available through the fabricator.

To the building code official and lending agencies, the PFS stamp means adherence to rigid specifications and they can approve structures and financing with confidence.

New markets. For the plywood industry PFS will mean a whole new market for its products, and consumption of large amounts of lumber as well as plywood. The organization will also be an important factor in searching out new uses for the basic panel in component use.

The original laboratories and offices of PFS were established in Chicago and Ridgewood, N. J. Nine fabricators in three areas originally received its services. The first survey of fabricators indicated, however, that 1376 of the 1634 contacted were interested in immediately availing themselves of PFS service.

More labs. The service began in expansion this past November. By the end of January, 1960, two more laboratories will be operating, in Atlanta, Ga., and San Francisco. Others are planned for Dallas, Tex., and either Seattle, Wash., or Portland, Ore.

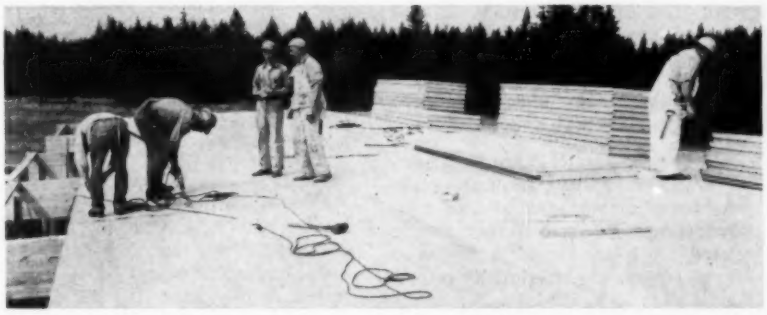
Mr. Page is also crystallizing plants to offer a limited PFS membership to a few selected lumber dealers working with the Lu-Re-Co system of components. This will be a test program and should it be successful, limited memberships would be offered to all Lu-Re-Co component fabricators.

With the expansion of PFS on a nationwide basis, it may well be expected that the plywood component is well on its way to being recognized as a construction procedure that will do as much in bringing about a change in building methods as did the panelized form of plywood. ■■

a Building

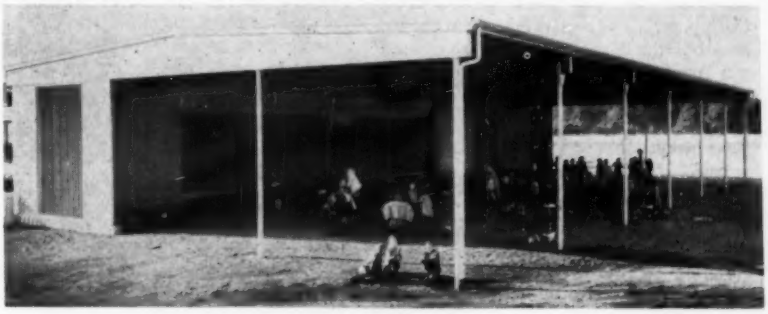
An old name in the forest products field and a new name in the component building industry is "Simpson Engineered Wood Products Co." It is a subsidiary operation in the Simpson Timber Co. family of lumber, plywood and pulp and paper enterprises. Headquarters for the new firm are in Portland, Ore., and William McKenzie is the general manager. The short name is "SEWPCO." This company is specializing in the design and construction of buildings employing components, where the materials are premanufactured in the factory at Portland and shipped right to the job site.

A fitting initial job for SEWPCO was in an elementary school in Simpson's own back yard—Shelton, Wash., home of Simpson Logging Co. The forest products and construction techniques employed and pictured here are an example of how wood can provide a needed building, in a hurry and at a reasonable cost. With most of the labor already "built-into" the roof and wall panels, there is no wasted effort in storing or handling materials on the job.



Roof area of 5000 square feet was covered in four hours with 4x16-foot stressed-skin panels. The interlocking joint is a patented feature developed by Architect S. D. Horsley.

Completed shed is light, airy structure. Note the 14-foot fabricated wood louvre in each end of the structure. These form windbreaker walls and help keep out the rain. There is a blacktopped surface for games. ■■



Paging . . . Mr. Common Sense

By T. H. HAMMER, president,
National Plywood Distributors Association

Among the numerous benefits that derive from participation in association activities is one in particular that should be stressed at this time. I refer to the wider understanding of the big problems hampering the plywood industry.

This being an age of coalitions when businesses are uniting for the advancement of their common welfare (for example—a means to deal with the ever-growing and powerful labor movement), every segment of the plywood industry has organized and meets in an effort to solve problems.

Because of attendance of producers at distributors' open meetings and distributors at producers' gatherings, more of each classification is now better informed on the big over-all problem that is so vital to both—particularly, the problem which holds the economy of the plywood industry at its current piddling level.

Of course, I refer to the staggering problem resulting from the combination of over-production and maldistribution. These two factors, closely related, are better identified now than in years past. This identification and appreciation of its effects is the result of association effort; of improved communications; of the willingness of so many to meet and share for the common good.

The production-distribution problem has become a recurring disease in the plywood industry, and its virus, unfortunately, has infected foreign plywoods of the Pacific with resulting chaos in the domestic market. Fortunately, because of quasi-legal controls this area holds some hope for the future.

What is happening within the industry tends to make "experts" of some of us who can see the problem in clearer focus in the other fellow's segment. This assertion may be more accurate than it appears: a football fan viewing a game sees the team's error before many individual players see it.

In the matter of production a distributor can view the over-all error without knowing precisely what prompts producers to maintain high level of production in the face of falling markets. Although he may be confused as to the obstacles in shutting down a dryer or running shorter shifts, nevertheless he can feel the painful result of over-production at once. He sees his inventory value weakening. In self-preservation he turns from his normal role of a salesman to that of a bargainer. He encounters price competition; new faces in unfamiliar channels; finds his customers' ears glued to the long-distance phone, or eyes on the teletype, receiving offerings of direct shipments with carload quantity as the measure of acceptability; his supplier-customer relationship destroyed, and he concludes that *function* must be an antique word; that auctioneering has replaced marketing. In softwood plywood the routine has become familiar to all.

Output up, price down. During November, 1959, sanded plywood was selling for $64, rough at $88. Douglas Fir Plywood Association, then released figures indicating third quarter production at 23.3% above the corresponding 1958 period. Elsewhere, reports indicate mills generally were striving to minimize losses by high-level production. It is forecast that 1960 capacity will be increased by a whopping one-seventh.

Granting the power of the billiant promotion and quality control, and praising the wisdom of dedicating increased millions for stimulation of demand, how primitive can managements be who operate their facilities for so little net return.

With what dividends will they maintain a position in a growth industry? With $64 panels can they encourage promising marketing talent, improve products, expand their lines, diversify, develop by-products and provide for the future? The buffalo are being slaughtered and the otters exterminated, yet the skins are being traded for calico and beads. The pace set by the trappers of old is being followed today and the economics of a region and a nation-wide industry suffer.

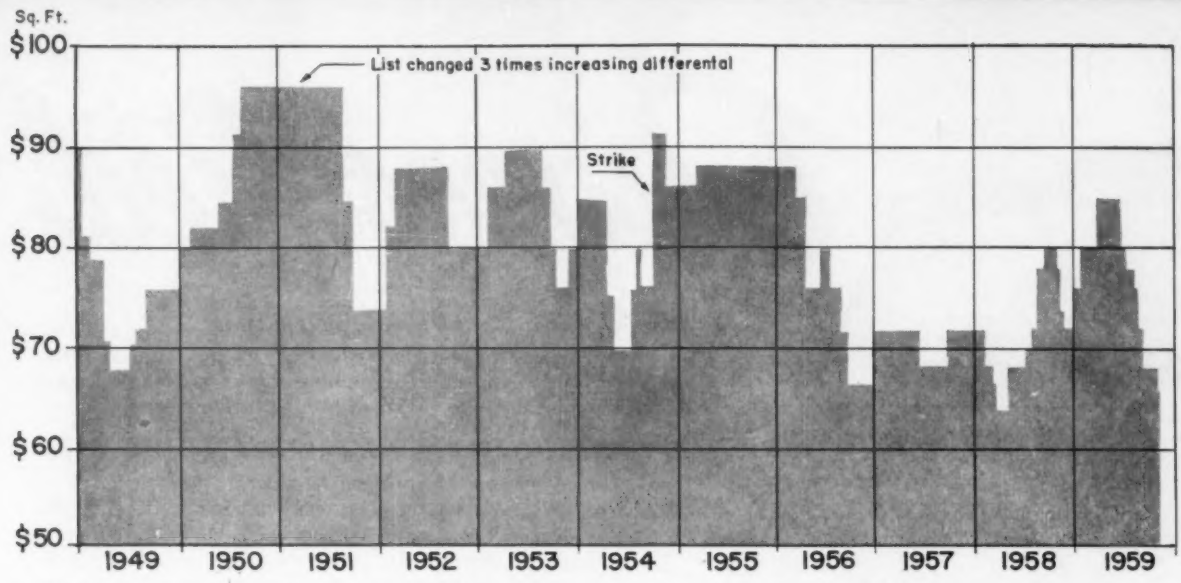
Production and distribution, the Siamese twins, are so closely united that the organs of one are essential to the other. Yet the hand that feeds one, starves the other. Distribution, in its broad sense, has deteriorated to the verge of demoralized rout. Beautiful merchandise is being dumped into irresponsible channels; into the untrained hands of telephone distributors, or direct to customers of those who fully service a marketing area in an orderly way. The pelts and hides are baled and delivered to the first itinerant trader that has a medium of exchange. To what a primitive state plywood distribution per se has degenerated!

Although there are outstanding exceptions in the producing region in respect to production and distribution, their laudable efforts are neutralized by others—by primitive performances of too many.

Were it possible to separate distribution from that of production, incubate it with cultures so as to examine it as an entity apart, how by itself could it live, grow, maintain health and prosper when radical imbalance exists in the nourishment being allowed the vital artery? It is not clear that functions of arteries have differing values? Should not a more valuable function receive greater compensation than a lesser one?

In marketing terms a line of merchandise attains a greater value as the line becomes accessible to the ultimate consumer. Plywood is merchandise with numerous qualities lacking in staple commodities such as traded on warehouse receipts or bills of lading. The most valuable service that can be performed for a producer of plywood is to maintain assortments of his merchandise and related items in a distribution center; proclaim its uses and merits; make such merchandise accessible by promotion in the form of personal sales solicitation, printed lists, credit, delivery and dock service; and a variety of efforts that create demand, establish confidence in the merchandise and, moreover, maintain an atmosphere of constructive supplier-customer relationships with his source of supply, and with his customers as well.

Such is the image of the merchant warehouse jobber, the vital artery of distribution, whose prosperity is imperative to a healthy industry. He



ROLLER COASTER: Price Fluctuations on Index Grade Fir Plywood

merits an adequate compensation commensurate with the value of his service. Such service as he performs, formerly recognized with a functional discount, must be rendered by someone; must be paid for—and such services have costs that must be assumed by the producer if the incumbent or his successor finds it unsatisfactory to do so. The plywood industry today is one of a few whose merchant distributors must compete on an unequal basis with its producers; in which quantity, not function, is the measure to fix compensation in the form of discount.

Production and distribution is the united problem—and more widespread enlightened marketing is the answer. Another plywood man wrote in this space two years ago, "The volume production hero has reached his zenith in the industry. Laurels tomorrow will go to the successful marketer." An acknowledged management authority in another field said recently that the top positions in industry will be held in the near future by marketing men. As the field is surveyed today in the plywood industry marketing men should apply. There must be job opportunities with promising futures.

Diversified

★ **DIVERSIFIED MIXED CAR SHIPMENTS**

Take advantage of the economy and convenience of Anacortes Veneer mixed car shipments, combining any or all of the many ARMOR brand panel products.

★ **DIVERSIFIED PANELS FOR DIVERSIFIED USES**

Whatever your needs for a panel product . . . plywood, hardboard, plastic-resin overlaid or combinations . . . there's an ARMOR panel just right for you. And ARMOR products are high quality and performance-engineered. ARMOR is a name you can trust!

★ **DIVERSIFIED JOBBER DISTRIBUTION**

ARMOR products are distributed by independent warehousing jobbers only, and that's important to you because there's an independent jobber near you who will maintain constant and speedy service.

ARMORBOND — HARDBOARD

ARMORBORD — SHEATHING 60" WIDTHS; 1/16" HARDBOARD

ARMORTEX — UNDERLAYMENT; BOAT HULL PANELS; EXTERIOR FIR PLYWOOD

PLASTIC SURFACED HARDBOARDS

PING-PONG TABLES

INTERIOR FIR PLYWOOD

PLASTIC SURFACED PLYWOOD

LONG PANELS

CONCRETE FORM PLYWOOD

HARDBOARD ON FIR

ARMORON

ARMORALL

ARMORITE

ANACORTES VENEER, Inc.

General Sales Office: Anacortes, Wash.

Midwestern Sales Office: 13375 Watertown Plank Road, Elm Grove, Wis. • Eastern Sales Office: 11 North Essex St., Dover, N. J.

World Reports: International plywood production in 1958 totaled 14.4 billion square feet, up from 13 billion square feet in 1957. U. S. leads in output, followed by U.S.S.R., Japan, Canada and West Germany.

Totals for Major Plywood Producing Countries

(Million square feet, 3/8-inch basis)

	1958			1957		
	Production	Imports	Exports	Production	Imports	Exports
EUROPE	2,358	616	460	2,336	616	493
Austria	44		8	44		7
Belgium	32	21	10	32	24	15
Bulgaria	53		3	46		5
Czechoslovakia	126		16	118		17
Finland	317		265	344	14	287
France	380	17	51	333	14	43
Germany, East				42		
Germany, West	519	19	41	570	20	51
Hungary	36	6		33	7	
Italy	167	1	13	155		16
Netherlands	38	37	11	38	49	6
Poland	204		3	193		
Romania	71		9	67		12
Spain	90		3	89		4
Switzerland	26	4		27	5	
Sweden	90		3	89		4
United Kingdom	51	445	2	54	430	2
Yugoslavia	61		4	50		2
USSR	1,364	12	119	1,282	14	111
NORTH AMERICA	8,536	655	72	7,487	583	83
Canada	966	57	60	847	28	71
United States	7,581	597	12	6,638	555	14
CENTRAL AMERICA	39	39	17	39	33	11
Mexico			12	26		9
SOUTH AMERCIA	250	6	17	222	4	17
Surinam	17		17	17		16
AFRICA	167	67	72	167	61	67
ASIA	1,521	67	461	1,399	61	405
China (Mainland)				62		
India	61			11		
Israel	31		13	31		12
Japan	1,175		383	1,087		364
Korea, South	26			23		
Philippines	98			90		19
Taiwan	75		32	5		
Turkey	13			13		
PACIFIC AREA	114	17	11	139	17	11
Australia	111	12		103	10	
New Guinea	13		13	14		
New Zealand	19	1		19	4	

Source: Food and Agriculture Organization of the United Nations.

Australia

Production in the fiscal year ending June 30, 1959, was up 3% over the same 1957-1958 period. A slowup in building curbed activity in the second half of the year, but industry leaders expect an immediate upturn.

Australia is a net plywood importing nation, though only in a reasonably small quantity compared with some other countries. Imports grew from 22.8 million square feet in 1957-58 period to 24.7 million square feet in the period ended June 30. Most of this quantity came from two countries: 22 million from New Guinea and 2.5 million from Japan.

The plywood factory in New Guinea is half-owned by the Australian government and its shipments receive preferential treatment in several ways, including import tariffs.

One new plant was established during the year but has not yet gained full production.

In existing plants, the emphasis has been on new equipment to improve production and quality. This is a continuing trend of 10 years during which the country has doubled its plywood production.

New products are coming on the market, some of them being manufactured under license to American firms.

New Zealand

Plywood panels were being produced at an annual rate of 40 million square feet, 3/16-inch basis during 1959. However, this does not give a true picture of over-all plywood production because all plywood manufacturers in New Zealand have door factories and plywood produced for this use is not totaled.

Norman E. Pollard, general manager of Henderson & Pollard, Ltd., Auckland, New Zealand, reports four plywood factories and one wet veneer plant in New Zealand. The veneer factory, New Zealand Forest Products, is peeling only radiata pine veneer which it sells to the plywood plants to cross banding material and limited use for faces.

Major species being used is rimu —red pine. Other species peeled are Matai—black pine, and Kahikatea—white pine.

Radiata pine is growing in use and Mr. Pollard says it is anticipated that within a year it will be the most important species.

Mr. Pollard says top grade plywood in all thicknesses is in good demand. Low grades are not. Price and the competition of a booming hardboard industry are reasons for resistance to lower grades.

An immediate program of importance in New Zealand will be expanding sales of exterior grades.

Mr. Pollard says New Zealand is handicapped by import restriction. Other than a limited amount of Japanese oak, ash and sen, definite restrictions are placed on the amounts permitted into the country.

Plywood manufacturers are looking to far off markets for logs. Serayah and lauan logs are being imported from Borneo and West African mahogany from Africa.

Operating plants are Henderson & Pollard, Ltd., producing 9 million square feet a year; Ellis Veneer Co., Manunui, 9 million square feet a year; New Zealand Plywoods, Ltd., producing 12 million square feet a year at Auckland and 10 million square feet a year at Christchurch.

Japan

The plywood industry in Japan was particularly active in the second half of 1958 and into the summer of 1959.

Domestic sales advanced sharply. Production was up. Retail prices doubled with a higher price on lauan logs. The door skin boom was on.

(Continued on page 201)

There's Excitement in Glues as research-minded adhesive producers expect more break-throughs in 1960 than in previous five years.

Phenomenal growth and development by adhesive producers through research has been an important factor in the success of plywood quality improvement. One unseen advantage which the plywood industry enjoys is that, in many cases, the adhesive suppliers are one relatively small segment of a giant, research-minded national corporation with wide diversification into a large number of chemical, metal, plastic and other materials.

In discussing current research projects with the major adhesive suppliers, the editors of THE LUMBERMAN found that there is just as much we cannot write about as there is to report. The coming year of 1960 is going to see a lot of excitement in the glue industry, so much so that one western glue executive ventured to predict: "Accelerated technological programs—the order of the day for all U. S. industry—in the adhesives industry will result in more new developments in 1960 than in the previous five years."

No one can positively refute that statement until 1960 ends, but the point is, that this year will see many applications of new adhesives, new techniques and new equipment. These are all outgrowths of costly research over many years.

The following items will be the minimum order of the day, adhesive-wise in 1960:

(1) Rapid expansion of contact edge-gluing of veneer.

(2) Beginning-of-the-end of glue-spreading; films or webs of glue will gain wider use;

(3) Surface coating will expand utilization of plywood, especially exterior;

(4) Higher press temperatures, less press time.

The net effect should be better plywood products and the opportunity to expand plywood markets with more versatile, longer-lasting panels, not to mention the resultant savings in plant operation through reduced press time and manpower.

An active group of professional men is working on behalf of the plywood industry through an organization known as the Technical Committee of the West Coast Adhesives Manufacturers.

The committee consists of one official representative from each of six major adhesives firms, as follows: H. M. Preusser, American-Marietta Co.; R. G. Peterson, Balfour-Guthrie Chemical Co.; John M. Hine, Borden Chemical Co.; F. H. McKibben, Chemical Process Co.; Gordon Brown, Monsanto Chemical Co.; and Russell K. Stensrud, Reichhold Chemicals, Inc. Mr. Stensrud is currently chairman, a position which rotates to another company each year. The group was formed in 1952, and monthly meetings have been held since that time.

The committee was set up with the express purpose of considering mutual technical problems that could best be handled by group action rather than by individual companies. Functions of the committee are primarily related to the manufacture of resins and adhesives and their supply to basic industrial users, such as plywood mills.

One of the largest projects undertaken has been the development of an "Improved Method for Evaluation of Resin 'Exterior Type' Adhesives," with a view towards gaining Douglas Fir Plywood Association approval and acceptance for industry use.

Other subjects of interest and importance to plywood manufacturers which have been covered by the committee are: "Adhesive Manufacturers' Status Report on Direct Fired Veneer Driers"; "How Can the Plywood Industry Improve Control of Its Glue Bond Quality"; the control of marine borers in plywood by use of silicaceous extenders with phenol-formaldehyde resin adhesive; recommendations for proposed revision of government specifications NN-P-515 plywood container grade.

Other recent effort has been successfully directed toward bringing forth from the DFPA a directive allowing the use of up to 10% (figured on the basis of the resin solids) of proteinaceous or amylaceous materials as extenders in exterior resin adhesives.

A Real Breakthrough for 1960 is predicted by Al Bonutto, right, general district manager for Monsanto's Western Adhesives Research Lab in Seattle. Here with Gordon Brown, left, research group leader.

Shorter Cycles in plywood pressing are goals of research programs carried on at Reichhold, under direction of vice-president and general manager, E. M. Skytta, right, Seattle, discussing problems with staff.

Plywood Showplace describes American-Marietta's new $1 million research center in Seattle. In his custom-matched cherry panel office, vice-pres., adhesive div. mgr. Donald Redfern, predicts big things for 1960.

Monsanto Improves Spreadability of Resins

Monsanto introduced PF535 resin in 1959. This is a copolymer type resin with improved flow characteristics, resulting in better assembly time performance at lower spreads. Monsanto Chemical Co.'s research efforts in the direction of resins for use in plywood continues along lines of improved resin systems, keeping in mind the needs and trends of plywood manufacture in the industry.

On shorter term basis, the company has implemented the versatility of PF535 resin by providing customers with a series of formulations incorporating the use of wheat flour for the purpose of improving spreadability and increased assembly time tolerance. Careful evaluation on a planned basis is being continued on blood additions of PF535 in an effort to develop 10 to 15% faster press times for both exterior and interior type plywood.

During the past year the company's research work has been along the lines of broadening its complement of hot press protein glues for use with and without Penta or resin additions, with particular emphasis on performance. The research program encompasses not only plywood but allied products manufactured by the forest products industries, including hardboard, particle board and lumber.

In the hardboard field, three new phenol-formaldehyde resins were introduced to give excellent cost performance ratios. In particle board, research has continued on upgrading UF resin binders. As a result of intensive research, Monsanto introduced in 1959 a new M series of phenol-formaldehyde resins for particle board.

In line with this program of presenting improved binders for particle board, a seminar, sponsored by Monsanto, was held in September in Eugene, Ore. Management and technical personnel of particle board manufacturers attended and contributed to this discussion session. The purpose of this seminar was not only to acquaint the particle board industry with the company's objectives and progress, but to ascertain insofar as possible the specific requirements and limitations of the industry on which future research effort could be directed.

Monsanto's increased research effort on all of these various segments of the wood industry has necessitated an enlargement of the Seattle, Wash., laboratory. To this end, additional pilot plant equipment is being installed to expand pilot plant facilities. Plans are also underway to expand the fundamental research program with a radio-tracer laboratory to explore and determine the molecular structure of thermosetting polymers.

Increased liaison between all the company's research laboratories is resulting in a greater technological know-how flow to augment the Western Adhesives research group efforts. A good part of Monsanto's research effort is assigned to theoretical aspects and study of all types of polymers, which will ultimately result in new practical and economical products for the forest products industry.

Reichhold Developments Shorten Press Time

Faster moving adhesives will be a principal development of 1960, at Reichhold Chemicals, Inc. Additionally, RCI will be in position to expand technical service to adhesive users through consolidation of operations in Tacoma, Wash. A large share of new production facilities are already operating in Tacoma and by the end of the year the Pacific Northwest Division expects to be entirely moved from Seattle to the new plant.

RCI's new Tacoma production facilities include resin-producing units which utilize the latest techniques in instrumentation and control. These facilities are also being equipped for the production of polyvinyl acetate emulsion adhesives and surface coatings and polyester resins.

Many of RCI's laboratory developments center around the reduction of pressing cycles. Test results have shown the way to reduce the pressing cycle for the recently introduced Plyophen 2000-PGL, the "paper glue line." The use of PGL was adopted by a number of plants in 1959 for hardwood overlays, marine grade and Crezon overlays. The use of faster curing resins in combination with studies of inner-glue line temperatures during hot pressing have allowed up to 23% reductions in the pressing times used in the PGL manufacture of exterior plywood.

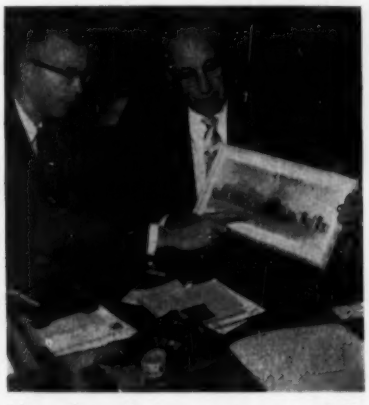
	Thickness	Press Temp.	Press Time
Previous:	½"	290°F.	10 min.
Present:	½"	290°F.	8¼ min.
Previous:	½"	310°F.	8½ min.
Present:	½"	315°F.	7¼ min.
Previous:	13/16"	310°F.	12 min.
Present:	13/16"	315°F.	9¼ min.

Additions to RCI's line of conventional aqueous phenolic exterior type hot press adhesives have been made during 1959, such as E-PH-400 which allows the use of considerably shortened pressing cycles.

(Continued on next page)

New and better adhesives are a constant responsibility of adhesive manufacturers, says Chemical Process Co.'s president A. E. Post, above, who is doing some interesting things with tailored glues for specific needs.

Coatings are an important part of Borden's developmental program. Here, coating tests are being examined by H. W. Comfort, left, president of The Borden Co. and A. R. Marusi, president Borden Chemical.



New formulations and successfully controlled manufacture are underway at Balfour, Guthrie & Co. Ltd.'s new resin plant in Tacoma, say general mgr. D. E. Baldwin, right, and production mgr. Howard Craven.

New urea formaldehyde adhesives for interior plywood manufacture which will be offered in 1960. These resins are characterized by their rapid rate of cure and low formaldehyde odor. Modified urea formaldehyde adhesives for both plywood and particle board manufacture will be offered during 1960. These resins provide fast pressing cycles, improved water resistance and durability and in the case of particle board very high internal bond strengths.

Phenolic adhesives for the manufacture of particle board have been under study for some time. Recent full-scale mill runs indicate several products will be offered for commercial use during 1960. In cooperation with the Institute of Technology at Washington State University, RCI has adapted PGL to the manufacture of glued laminated lumber. (See *The Lumberman*, November, 1959, "New Press Shortens Cycle for Laminating" —Ed.)

Another interesting facet of RCI research is that directed to the improvement of the durability of cold press interior type adhesives. Means to improve the durability of these adhesives are under constant study and RCI expects to introduce some important developments in 1960.

Wet-Web Glue Line New At American-Marietta

A new wet-web glue line is one of the most promising recent developments from the American-Marietta Co. laboratory. It is soon to be industry-tested. Basically, the system employs the technique of spreading adhesive on a tissue carrier which meets the requirements of mechanized plywood layout.

Principal advantages of this new technical advancement are described as:

- Pronounced adhesive savings;
- Substantial production labor savings;
- Ability of adhesive suppliers to provide new resin and adhesive systems which cure faster and glue more efficiently;
- Simplified quality control.

American-Marietta emphasizes a rapidly growing trend in the wood products industry toward lower cost adhesives made possible through the use of more efficient resins and extenders. To meet the challenge of new resin development and more efficient performance, the company has expanded its research program and opened a $1,000,000 research center on Harbor Island, Seattle. The most extensive facility of its kind in the western United States, these new laboratories are completely equipped to meet customers' resin and adhesive needs.

Chemical Process Sees Need For Specialty Glues

Development of better products is the constant goal of Chemical Process Co. The future of the plywood industry is being made increasingly clear through five trends currently in progress, listed by company president A. E. Post as:

(1) An ever decreasing amount of old-growth, high-grade timber available for peelers.

(2) Higher cost of stumpage shifting the emphasis towards greater utilization of logs including an increasing use of low-grade veneers.

(3) With the desire of promoting wider product acceptance, the plywood industry is constantly upgrading the glue line standards.

(4) The persistent market price fluctuations coupled with higher labor and operating costs ,places greater emphasis on lower glue line costs and, in most cases, on shorter press times.

(5) With the development of numerous specialty products there is a growing demand for specialty glues tailored to meet specific conditions.

These trends place an increasing responsibility on the adhesive manufacturer to develop improved products that can be used in conjunction with lower-grade materials; to develop glues of inherent low cost; to reduce manufacturing costs through improved procedures and to develop the basic information necessary to formulate special glues for specific products.

Chemical Process began as a research laboratory and then entered the field of production. But it still retains its basic concept that its primary function lies in the development of new and improved products.

To achieve this end, Chemical Process Company approaches the problem through three distinct avenues:

1. By improving the use of standard glue products through competent field service personnel. Today, plywood plants from the Canadian border to the San Francisco Bay Area may have the benefit of the services of one of the company's trained representatives.

2. By developing new products to meet revised specifications or by improving existing products. During the past year, in addition to improving most of its regular glues, the company introduced *Dion 441*, a cold press, blood glue designed to cope with the new DFPA standards that were increased during the year, and *Dion 472*, a deodorized urea resin developed for hardwood plywood and flush door production.

3. By constant long range research aimed at the introduction of new concepts to the industry.

New Borden Roof Coating Joins Plywood Decking

A new system of roof coating is one of several interesting products nearing commercial practice at The Borden Chemical Co. This system is intended to solve the problem of plywood roof decking joints and the current necessity of applying a waterproof system over the plywood decking.

Plywood panels are coated with the compounds at the plant either by spray, roller, or a flow coater. To properly join the panels in the field, expansion spaces are left between the panels which are caulked with a waterproof elastic material, the seam is covered with a nylon tape imbedded in a wet compound similar to that applied at the plant. After the seam has dried, a thin finish coat is applied either by spray or paint roller.

Total thickness of the system is from 8 to 12 mils and is competitive in cost with most roof applications. The expected life is from 5 to 20 years—depending upon the thickness of the application Tests indicate erosion from weathering to be about 1 mil per year. Repair or resurfacing is simply done by application of an additional coat of compound by spray or paint roller.

This material also has excellent color retention and can be pigmented in pastels as well as dark colors. Field application of aggregates, such as sand, gravel, or granite can also be applied.

There are several test roofs currently being evaluated in the east and an installation of over 150,000 square feet is contemplated for the Pacific northwest in early 1960.

Continuing efforts on other coating or surfacing products for fir plywood have brought improvement in other products, such as in the use of thermoplastic contact cement for veneer edge gluing. This product requires no heat for setting, has gap-filling properties, softens under heat and is finding wider acceptance not only for core but for face stock as well.

Considerable progress has been made in the last year through the joint efforts of the seven departmental laboratories and the Philadelphia Central Research laboratory in finding means of improving the finished face of fir plywood. ■■

Hardwood Producers Optimistic as production and sales gain.

Imports and labeling act passage are problems for 1960.

1959 was a good year for the Hardwood Plywood Institute and the group expects 1960 to be better.

There were many achievements.

Perhaps most heartening to the association was completion of its new office and laboratory building in Arlington, Va. The building is discussed elsewhere in the *Annual Plywood Review*.

Membership gained 14% to include 53 firms in 17 states and Canada.

Membership reported increased shipments of veneer core plywood. First half shipments were up 25% over 1958 and 1957.

Testing for quality of product was in full gear with more than two-thirds of the membership sending samples to the laboratory for tests. More than 6000 samples of hardwood plywood were subjected to 800 separate tests at the lab.

The HPI grade stamp found wide acceptance with homebuilders, lumber dealers, plywood distributors and the FHA. Nearly 14,000 HPI Certificates of Inspection were used by HPI members during the year.

There were setbacks. The HPI program to curb increased imports of hardwoods was halted temporarily in June with a negative vote by the U. S. Tariff Commission. The fight will continue.

Also, efforts will be intensified to secure passage of the Hardwood Labeling Act (S.1787).

Where to buy. The association now has available a directory telling the name of mill and location, annual capacity, maximum size, glue types, type of equipment, species manufactured and specialty items manufactured.

New products hit the market in 1959. Included were:

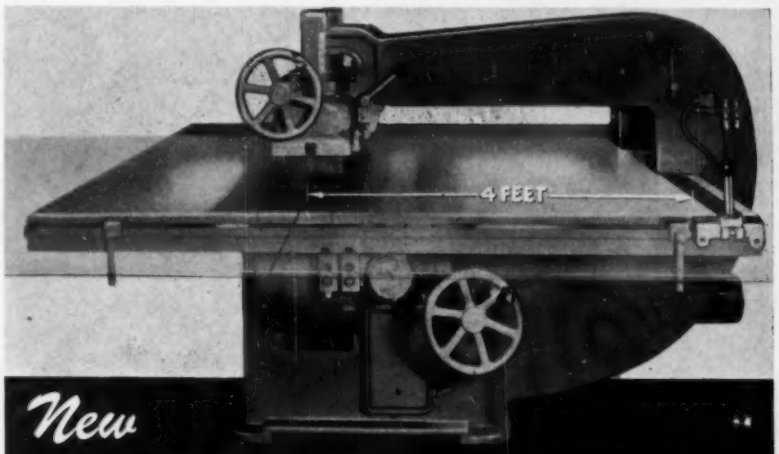
¾-inch hardwood plywood combination sub-floor and top floor in two sizes by Jasper Wood Products Co., Inc., Jasper, Ind.

¼-inch hardwood plywood prefinished panels with tongue and groove in 11 woods. It is called "I-P Beauty" by manufacturer International Panel Board, Ltd., Gatineau, Quebec, Canada.

Easily handled 3x4-foot wainscotting panels in 16 different hardwood plywoods by Virginia Plywood Corp., Danville, Va.

Exterior siding with lauan face and back, called Jones Exterior Lauan Siding by manufacturer Harold R. Jones, Inc., Eugene, Ore.

1960 plans include at least two specific programs: a full-time laboratory technician to meet the increasing demand for technical analysis and quality checks; and close cooperation with the National Wood Promotion program to widen the consumer market for hardwood plywood. ■ ■



New

EKSTROM, CARLSON

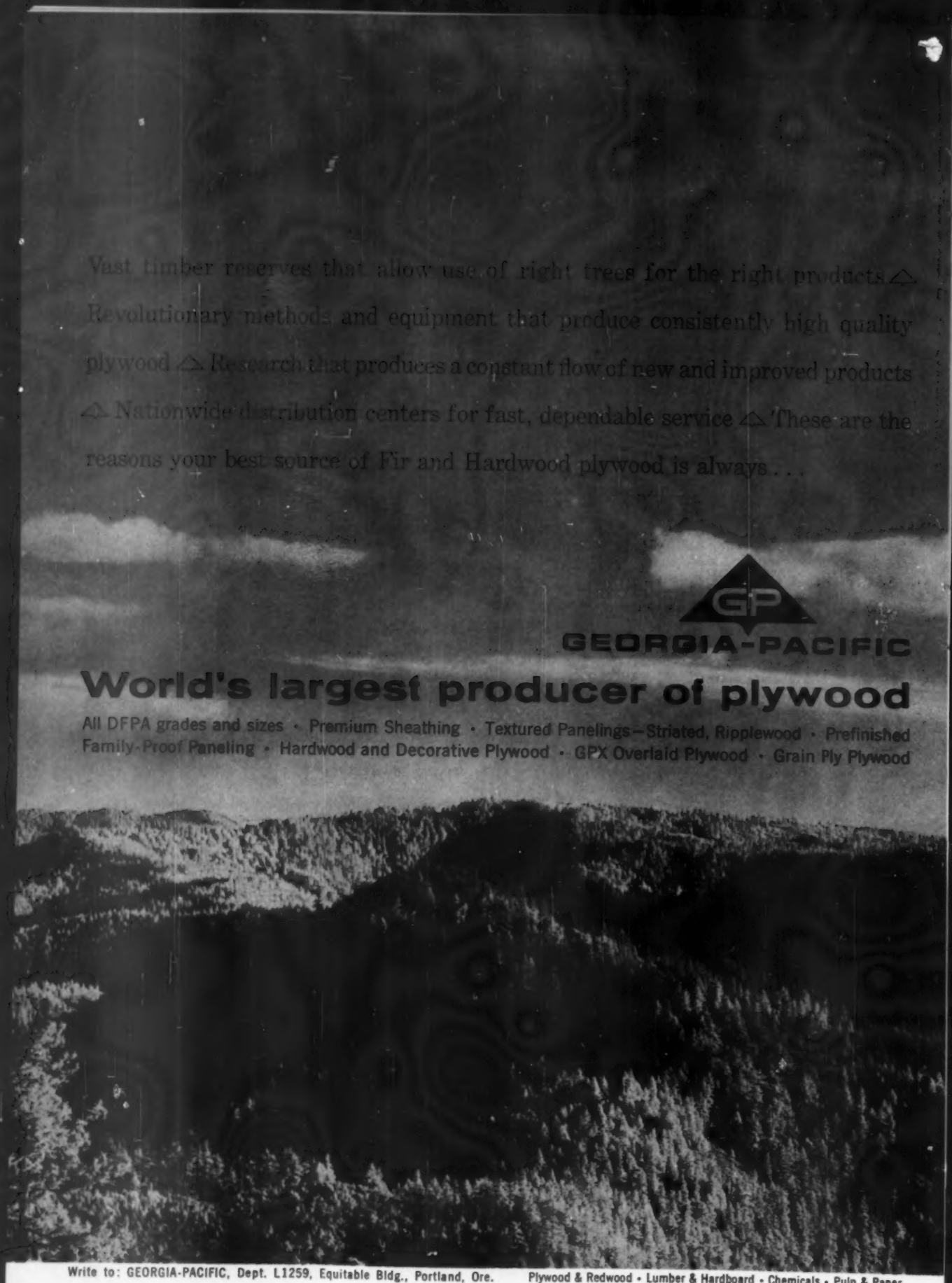
Wide Arm Rip Saw

The Model E Chain Feed Wide Arm Rip Saw has full 48" capacity on both sides of blade with rip fence in place for accurate sizing of 4' x 8' or more panels of all types of materials. Chain and pressure roll principle carries full size panels in multiple thickness through saw blade in parallel and straight line. Variable speed feeds are infinite from 56 to 225 FPM to provide correct feed speed. Adjustable, removable throat insert of soft metal eliminates sliver jams and protects saw blade. Stiffening collars support blade up to level of feed chain. Stock gauge is free floating and of "feather-touch" design.

Get other design and operating features. Write for complete data today or contact your local dealer.

For immediate information call:
Cascade Saw & Machinery
P. O. Box 179
Chehalis, Washington

EKSTROM, CARLSON & CO.
1429 RAILROAD AVENUE ROCKFORD, ILLINOIS


Vast timber reserves that allow use of right trees for the right products △ Revolutionary methods and equipment that produce consistently high quality plywood △ Research that produces a constant flow of new and improved products △ Nationwide distribution centers for fast, dependable service △ These are the reasons your best source of Fir and Hardwood plywood is always . . .
GP
GEORGIA-PACIFIC
World's largest producer of plywood
All DFPA grades and sizes · Premium Sheathing · Textured Panelings—Striated, Ripplewood · Prefinished Family-Proof Paneling · Hardwood and Decorative Plywood · GPX Overlaid Plywood · Grain Ply Plywood
Write to: GEORGIA-PACIFIC, Dept. L1259, Equitable Bldg., Portland, Ore.
Plywood & Redwood · Lumber & Hardboard · Chemicals · Pulp & Paper

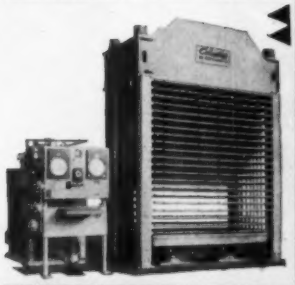
. . . for time and money saving production of

pick a

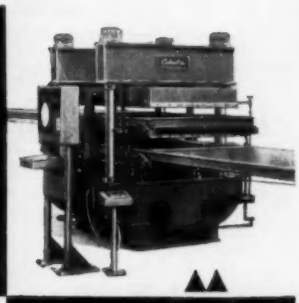
TIME-PROVED INDUSTRY-APPROVED

Columbia

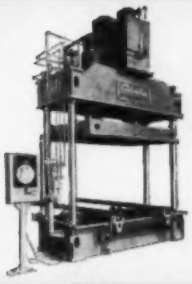
HYDRAULIC PRESS



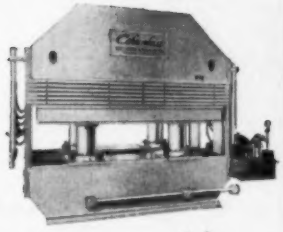
HOT PLATE PRESSES . . . 15 outstanding features for top production and quality, saving time and money. Rigid design, trouble free hydraulic system and honest rating guarantee dependable performance.
Request Bulletin HP-300.



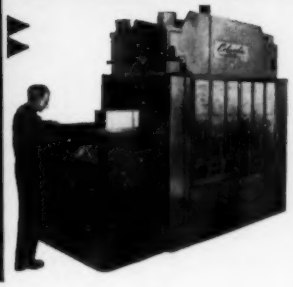
COLD LAMINATING PRESSES . . . proved for low-cost operation. Available in a complete range of sizes and types; upstroke and downstroke models; pressures to 200 psi. Convertible to high frequency operation.
Request Bulletin HP-200.



SHUTTLE PRESSES . . . designed and pioneered by Columbia to utilize labor to the fullest extent. Handlers discharge and reload one caul while load on other is under compression in the press.
Request Bulletin HP-400.



HIGH FREQUENCY PRESSES . . . double duty: cold laminating or with high frequency heating for fast production of large or small lots with low-cost, shop-made forms for better curved laminated panels.
Request Bulletin HP-300.



FLOOR TYPE PRESSES . . . offering one to five daylights and economy of installation and operation. Feature most advanced hydraulic and mechanical equipment. Available in end and side-loading models.
Request Bulletin HP-400.

Columbia Hot Plate, Cold Laminating and High Frequency Presses incorporate modern, proven features which assure production output, quality and efficiency with trouble-free performance. Their industry-wide acceptance is the result of many years of experience in design and manufacture of presses.

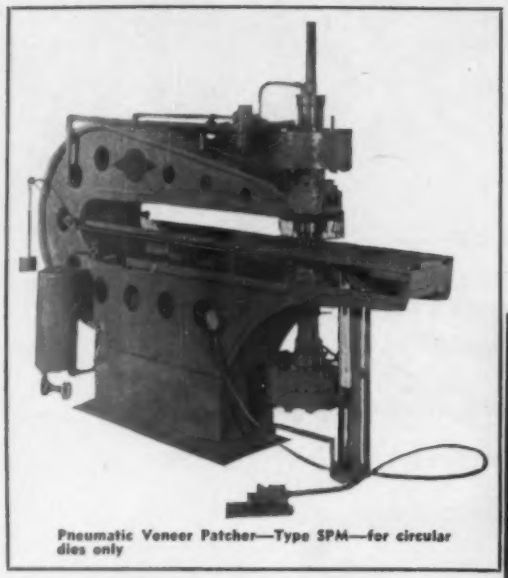
For detailed COLUMBIA literature, write:

The LODGE & SHIPLEY Company

3060 Colerain Ave., Cincinnati 25, Ohio

SKOOG

The Most Advanced Veneer Patchers Made



Pneumatic Veneer Patcher—Type SPM—for circular dies only

A SKOOG FIRST

Mechanical Veneer Patcher—Type OB—Boat, Semi-elliptical and round dies available

Exclusive Features:

* 1. Automatic Die Cleaning

* 2. Pre-ground dies to insure tight patches through life of die.

3. Oil bath lubrication of cam & clutch assembly

4. Trouble-free patented Skoog Clutch

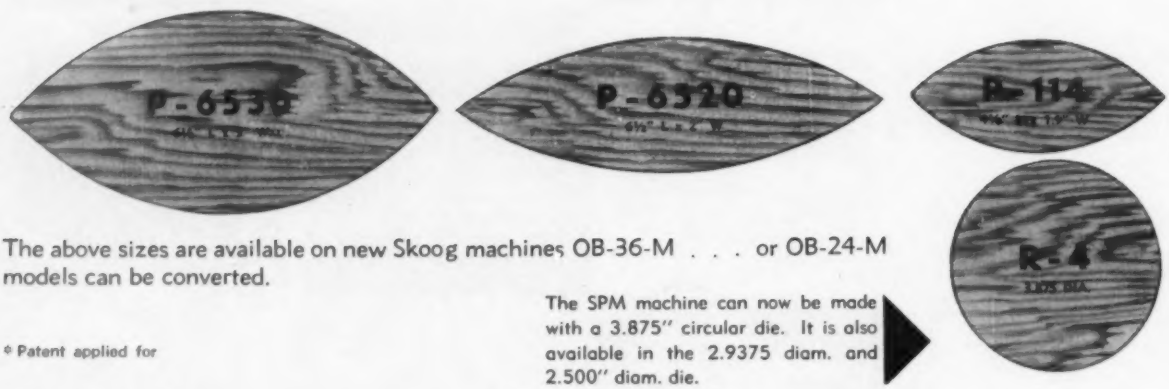
5. Patch Blank Magazine Feed

6. Precision Ground Guides

7. Manufactured in U. S. A.

Pointed End Patch

Some of the sizes available are illustrated below



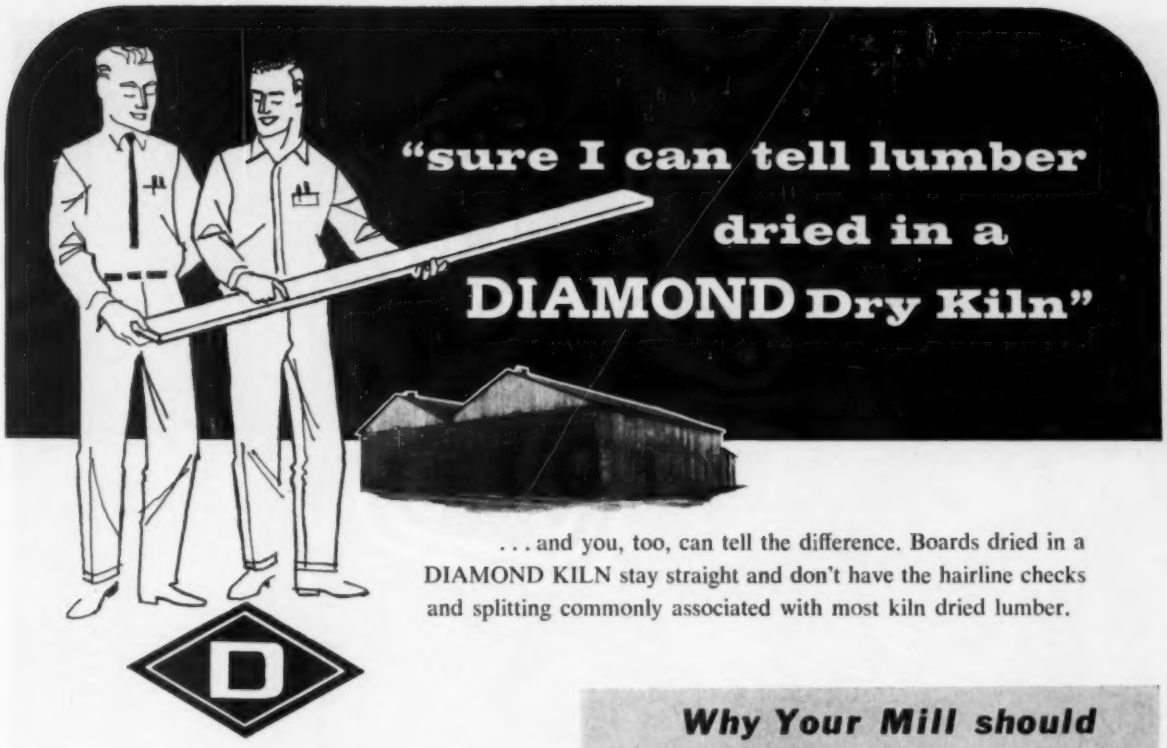
The above sizes are available on new Skoog machines OB-36-M . . . or OB-24-M models can be converted.

* Patent applied for

The SPM machine can now be made with a 3.875" circular die. It is also available in the 2.9375 diam. and 2.500" diam. die.

SKOOG MANUFACTURING CO., Inc.

OLYMPIA, WASHINGTON **P.O. BOX 102** **PHONE FL 6-8884**



. . . and you, too, can tell the difference. Boards dried in a DIAMOND KILN stay straight and don't have the hairline checks and splitting commonly associated with most kiln dried lumber.

Ask for lumber dried in DIAMOND DRY KILN from these mills:

ADAMS LUMBER COMPANY
Cathlamet, Washington

BLUE RIVER MILLS
Blue River, B. C.

BROWN BROTHERS
Grants Pass, Oregon

CONIFER LUMBER COMPANY
Forteson, Washington

DEARMOND-JOYNER LUMBER
Coeur d' Alene, Idaho

DIAMOND LUMBER COMPANY
Tillamook, Oregon

EASTLICK MILLS
Yreka, California

F&J LOGGING COMPANY
Oakland, Oregon

FIELDS & STONE
Williams, Oregon

FITZER BROTHERS
Buckley, Washington

FORT GARLAND LUMBER CO.
Fort Garland, Colorado

HAL ANDRUS LUMBER CO.
Springfield, Oregon

HANSEN PACIFIC CORP.
Fortuna, California

HEDLUND LUMBER SALES, INC.
Sandpoint, Idaho

HEGEWALD TIMBER COMPANY
Stevenson, Washington

HILL LUMBER COMPANY
Seattle, Washington

HULT LUMBER COMPANY
Dillard, Oregon

JACKSON SHAKE COMPANY
Moclips, Washington

L&H STUD SALES
Sutherlin, Oregon

KONIKSON LUMBER CO.
Deadwood, Oregon

M&M LUMBER COMPANY
Alderpoint, California

MEAD & HOWARD
Kendrick, Idaho

NORTH POWDER PINE LUMBER COMPANY, INC.
North Powder, Oregon

NYLUND LUMBER COMPANY
Lebanon, Oregon

PEARSON LUMBER CO., LTD.
Burns Lake, B. C.

RAINBOW LUMBER COMPANY
Troy, Montana

REED'S PLANING MILL
Denver, Colorado

SENECA LUMBER COMPANY
Long Creek, Oregon

SUPERIOR BUILDING COMPANY
Columbia Falls, Montana

TOLO LUMBER COMPANY
Central Point, Oregon

TF&M MILLS, LTD.
Telkwa, B. C.

TRAIL CREEK LUMBER CO.
Trail, Oregon

TRU-CUT LUMBER COMPANY
Orofino, Idaho

TRINITY FIR LUMBER COMPANY
Burnt Ranch, California

Why Your Mill should investigate the new LOW COST DIAMOND DRY KILN

⅓ the initial cost

½ the operating cost

CONSTANT FLOW DRYING

available only in the remarkable new Diamond Dry Kiln, extracts the moisture from the wood with almost no checking and cracking. That's more profit for you!

PRE-FABRICATED . . . easy to erect, easy to install . . . easy to buy!

ALL THIS . . . and within the financial reach of any mill, regardless of size.

Sold by **Howard-Cooper Corporation**

Portland, Oregon • Phone AL 2-2441 • P. O. Box 3704

Branch Offices: CENTRAL POINT • COQUILLE • EUGENE • ROSEBURG • SEATTLE
Phone: NO 4-1251 • 5231 • DI 4-4268 • OR 3-5586 • PA 5-1744

Howard-Cooper Corporation of CALIFORNIA . . . Redding . . . Phone CR 5-1558 Eureka . . . Phone Hillside 2-6477

Dealers: H. W. MOORE COMPANY, 5990 Colorado Blvd., Denver, Colorado
J. D. COGGINS CO., 1717 North 2nd St., Albuquerque, New Mexico
TREASURE STATE EQUIPMENT CO., 5th Avenue W.N. and Railroad St., Kalispell, Montana
WYOMING AND CENTRAL STATES, ROBERT F. BADER, 142 Broadway, Denver 3, Colorado

It is common for builders to order Astoria plywood for all their jobs. From long experience they know the quality is unsurpassed, and without fluctuation from one shipment to another.

Such uniformly high quality is dictated by the best of reasons—added profit for those who manufacture the plywood. These men are part owners of the plant, thus have a financial stake in satisfied customers with repeat orders.

We're proud of our plywood, and want everyone to know where it comes from. That's why on the back of every sheet you see the trademark stamp shown here—the sign of good plywood!

ASTORIA PLYWOOD CORPORATION

P. O. Box 117, Astoria, Oregon

TWX Astoria 453

A·P

Specializing in exterior and interior
Douglas Fir
Sitka Spruce
Idaho White Pine

Member Douglas Fir Plywood Assn.

GLOBE Jointer

ROTARY CLAMP

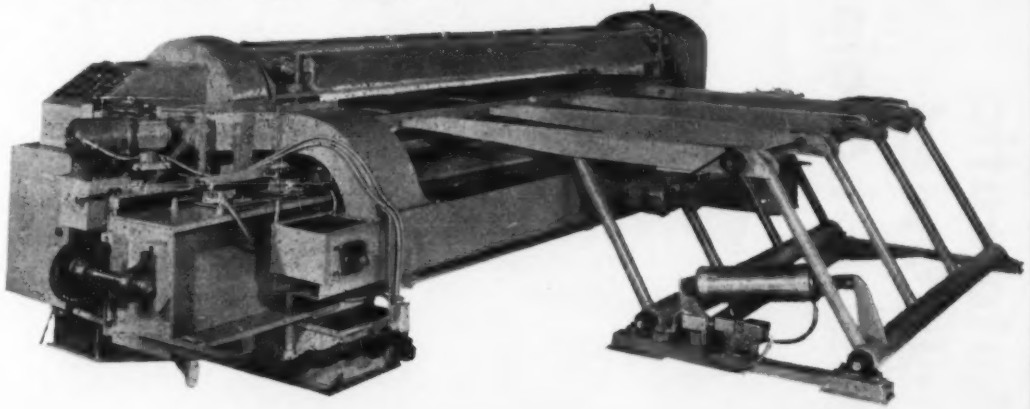
On this machine, you can:

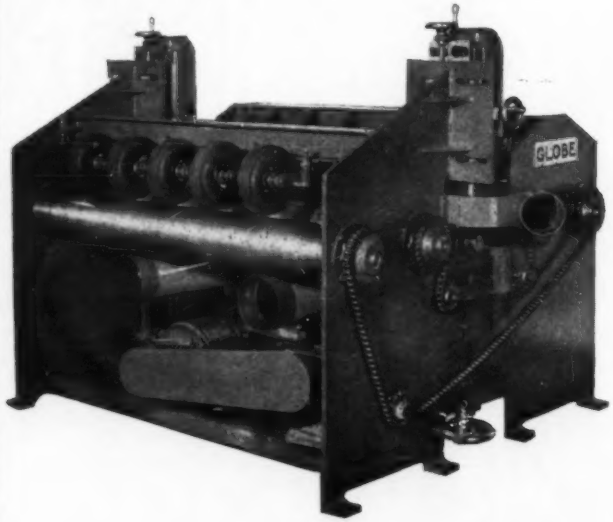
★ Automatically joint **both** edges.

★ Automatically joint **alternate** edges.

★ Automatically apply glue to jointed edges.

ONE MAN CAN OPERATE



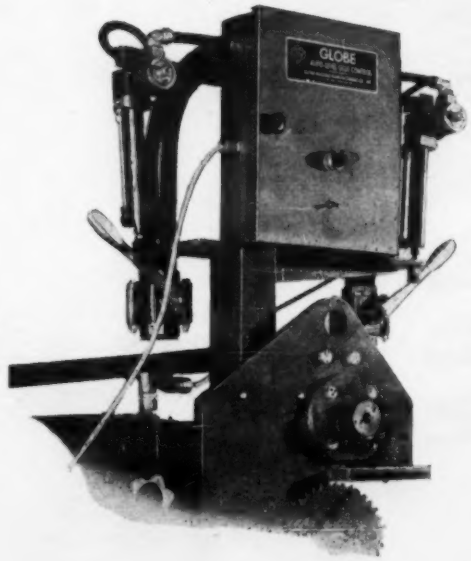


GLOBE SPECIALTY SAW

For Texture 1-11, shiplap, etc. to be made from standard panels.

GLOBE Automatic GLUE LEVEL CONTROL

for glue spreaders.



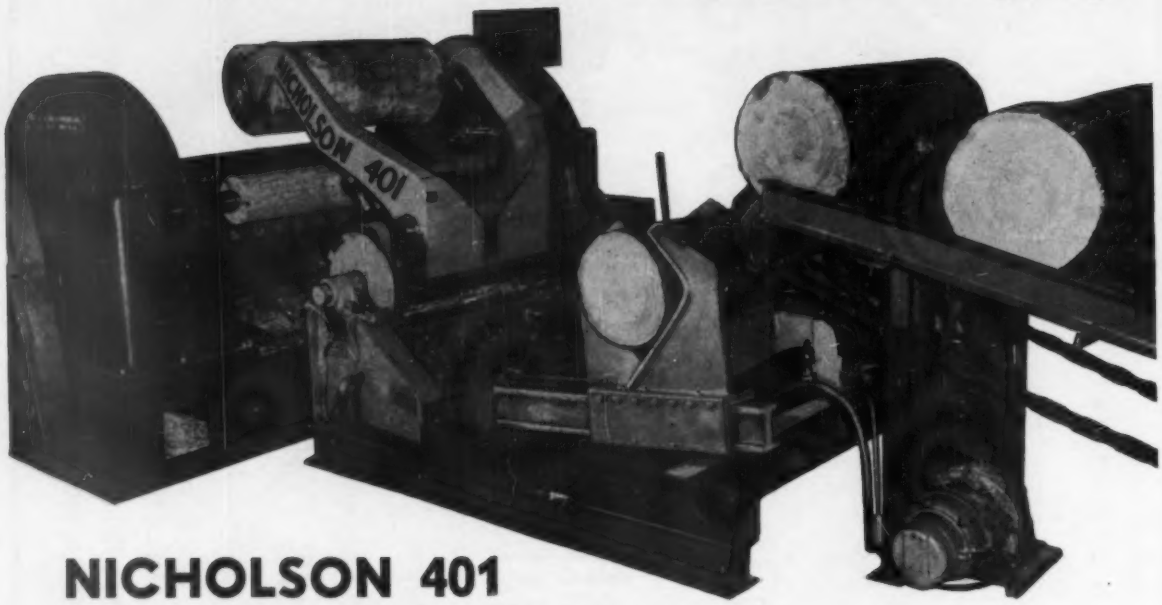
GLOBE MACHINE MFG. CO.

CALVIN BAMFORD, President

PHONE: FU 3-2584

701 EAST D STREET · TACOMA 2, WASHINGTON

NOW Fully Automatic High Speed Lathe Charging



NICHOLSON 401
Automatic Lathe Charger

- Extremely accurate centering greatly increases recovery—more veneer from same logs.
- Speeds up production—there is a pre-centered log ready for the lathe at all times.
- Reduces labor cost—the lathe operator handles the charging of his own machine. Assures safe operation as all men in the log handling area have been eliminated.
- Increases the amount of veneer peeled from each log by accurate centering in the lathe . . . performed mechanically allowing no human error.
- The Nicholson Automatic Lathe Charger is available in several different sizes and can be built to suit your requirements.

AUTOMATICALLY:

Accepts block from transfer chain.

"Pre-centers" block in "Scissor" clamps.

Grips block in charging arms. Rotates charging arms, with block, to "ready" position (next to block being peeled in lathe).

Repeats cycle after charging lathe.

See a Nicholson Automatic Lathe Charger at

CASCADES PLYWOOD CORP.
REEDSPORT, OREGON

EDWARD HINES LUMBER CO.
WESTFIR, OREGON

S. M. SIMPSON, LTD.
KELOWNA, B. C.

WRITE FOR BULLETIN NO. 401

Production Woodworking Machinery Log Barkers, Trim Saws, Sash and Door Machines and Log Handling Equipment.

NICHOLSON MANUFACTURING COMPANY

Designers and Builders of Special Machinery and Plants

35125 "A" Street S.E., Auburn, Wash. • TEmple 3-4800

In Canada: Nicholson Murdie Machines, Ltd., Victoria, B.C.

Since the inception of Oregon-Pacific Plywood Corporation four years ago, a lot of logs have been turned into plywood, and a lot of plywood has been turned into dollars for the mills and dealers served by Oregon-Pacific. Our staff of experienced plywood merchandisers, our broad knowledge of plywood marketing trends, and our prompt follow-through on all types of orders have gained wide acceptance for our service. This is attested by our continuous growth and the increasing number of customers who depend on us for their plywood needs.

OREGON-PACIFIC PLYWOOD CORPORATION

3015 N. W. INDUSTRIAL STREET, PORTLAND, OREGON

Douglas Fir Plywood • Domestic Hardwoods • Plywood Specialties • Prime Importers

THE SUREST WAY TO VENEER PROFIT

is through perfected equipment

MOORE ROLLER VENEER DRYER

AND THE NEW

P.A.C. VENEER FEEDER

SHOWN ABOVE

AT COLUMBIA VENEER COMPANY, KALAMA, WASH.

Two-zone Moore Roller Veneer Dryer, with 12 drying sections five decks high—and the efficient **P.A.C.** Veneed Feeder with package lift—three lines of steel transfer & storage chains—the sturdy and convenient fabricated steel operator's platform.

Together they offer the Veneer Drying Industry truly superior performance in veneer drying and handling. For complete information about the Moore Roller Veneer Dryer and P.A.C. Veneer Feeder with accessory equipment—write:

Moore Equipment for More Profit With Moore Modern Methods!

MOORE DRY KILN COMPANY

JACKSONVILLE FLORIDA | BRAMPTON ONTARIO | VANCOUVER BRITISH COLUMBIA | NORTH PORTLAND OREGON

Worlds Largest Manufacturers of Drying and Handling Systems for Lumber and Veneer

L-M • HYDRAULICS • AUTOMATION Systems

ONE MAN DOES THE ENTIRE JOB!
Conveys the Logs
Cuts the Logs
Measures the Cut
Distributes Logs after Cutting
Controls Collection, Hogging, Conveying of Refuse
* Controls Debarking by Mullis Log Skinner

THIS IS THE WAY TO GET **MORE PROFIT** FROM EACH LOG!

L-M's centralized Automation Control provides finger-tip management of every phase of an operation. Much of the element of human error is eliminated—every cut assured identical. Increased production, economy of operation, and reduced maintenance, work to produce more profits for you. More time allowed for careful grading helps you realize maximum gain from each log.

**If debarking is a problem with you, a completely integrated system with the MULLIS Log Skinner can be worked out for your mill. WRITE us about it. No obligation.*

L-M EQUIPMENT COMPANY — THE HOUSE OF CHAIN SAWS

Electric Air, Hydraulic Controlled — Standard and Custom-built Models

Pond, Deck and Leg Splitting Saws — Portable Electric and Gasoline Powered Chain Saws

L-M Saw Chain Bars

L-M Saw Chain

8705 S. E. 13TH AVENUE • P. O. BOX 4681
PORTLAND 2, OREGON PHONE: BE 5-3146

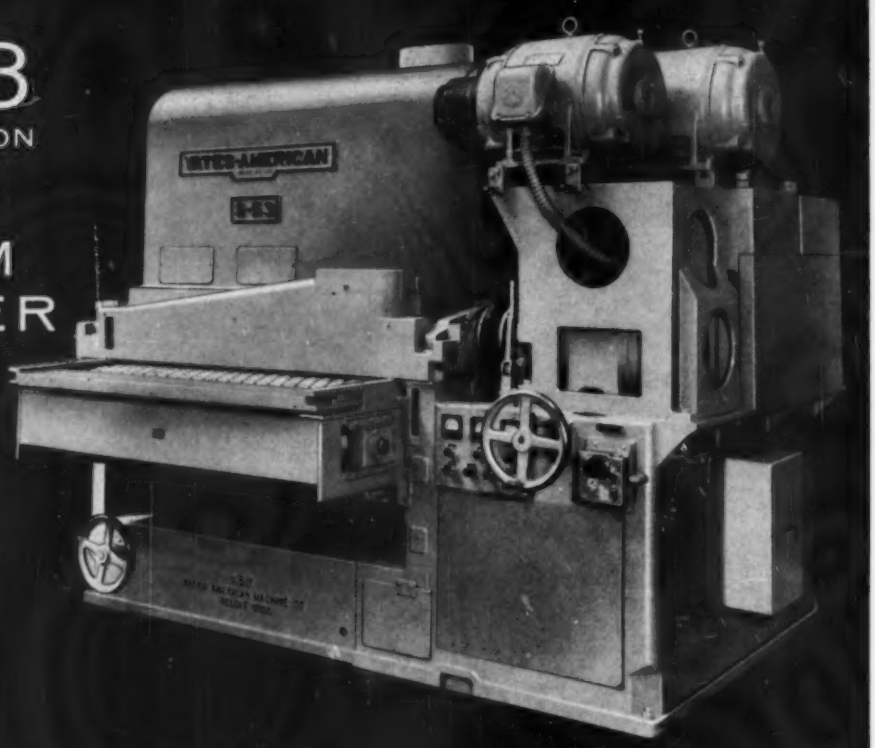
In Canada:
L-M EQUIPMENT CO. (BC) LTD.
4740 LOUGHEED HIGHWAY, BURNABY 2, B. C.
PHONE: CYpress 8-6242

L-M AN INTERNATIONAL SALES AND SERVICE ORGANIZATION

CUT SANDING COSTS OVER 50%*
AND PRODUCE FINER FINISHES

WITH *Yates-American*

S-53
COMBINATION
BELT
AND
DRUM
SANDER



- ✻ Outproduces *6* belt sanders and 2 drum sanders
- ✻ Both drum sanding and belt sanding in one pass
- ✻ Production rates up to 90 FPM
- ✻ Produces finest finishes attainable
- ✻ Versatility of selection to individual application: one drum and two belts—two drums and one belt—or three belts
- ✻ Replaces several machines in any production line

Ask for Bulletin No. 53...or engineering consultation on *any* woodworking problem

Over 75 years of service to industry

Yates-American
MACHINE COMPANY
731 4th St., BELOIT, WISCONSIN

ALL TYPES AND SIZES OF WOODWORKING EQUIPMENT... LARGE OR SMALL

SO PLY

SOUTHERN OREGON PLYWOOD
PLYWOOD · P. O. BOX 269 · GRANTS PASS · OREGON

16 FRYER DRY KILNS BUILT FOR SEATTLE CEDAR!

largest, exclusive kiln dried cedar lumber manufacturer in the country.

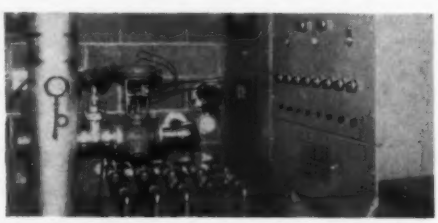
After careful consideration of *all* the factors in their modernization program, Seattle Cedar management granted a turn-key contract to Medford Machinery Co. for 14 Fryer Dry Kilns. Now . . . three months after the first 14 Kilns went into operation . . . they have ordered two more Fryer Kilns built! It pays to consider *all* the factors before investing in any dry kiln!

lowest drying cost per thousand

Consider them all . . . long range plans of your mill . . . your initial investment . . . maintenance costs . . . species to be dried . . . grades desired . . . depreciation . . . taxes . . . you'll see why we talk of "lowest drying cost per thousand" with Fryer Dry Kilns.

We guarantee price, assume undivided responsibility and guarantee performance.

Each kiln at Seattle Cedar holds approx. 70,000 board feet . . . all are side-loaded by fork lift truck.



New electronic controls, reversible, direct air flow and increased air velocity give faster, more uniform drying.

FRYER DRY KILN

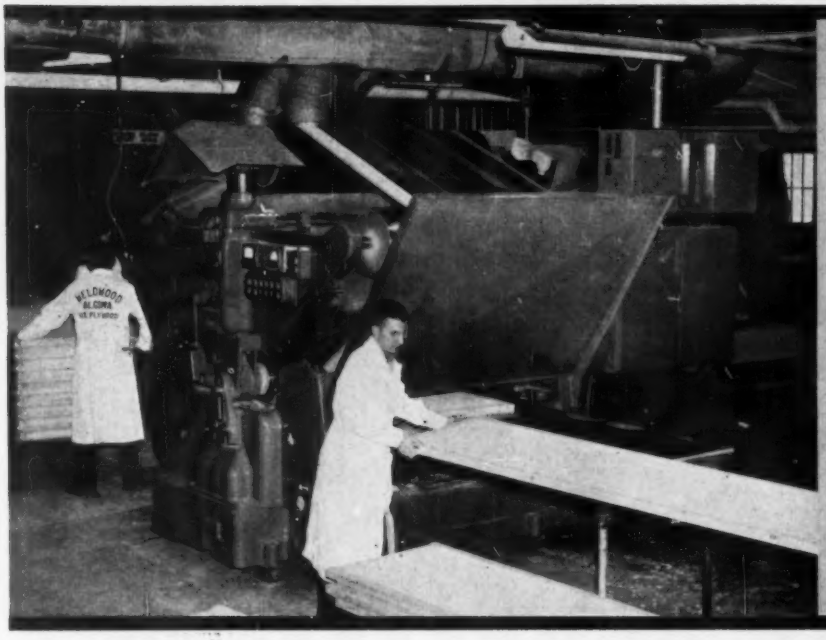
MEDFORD MACHINERY COMPANY

AVenue 6-1606

6621 N. ST. LOUIS
PORTLAND, OREGON

AVAILABLE COMPLETE • READY TO OPERATE • UNDER ONE CONTRACT PRICE

new sanding method improves accuracy, increases production, reduces belt costs



SPECIFICATIONS

Abrasive belt length	20 ft 3 in.
Machine size	36 in. capacity
	48 in. capacity
	60 in. capacity
	72 in. capacity

Feed Roll Speed . . . available from 1 to 100 fpm and up—according to your requirements.

MATTISON NO. 456 WIDE BELT SANDER SIZES TO .0015" AT FAST FEEDS IN EITHER DIRECTION

Here's a new, high-production method for sanding core stock, door panels, and other flat work to precision finish and uniform thickness.

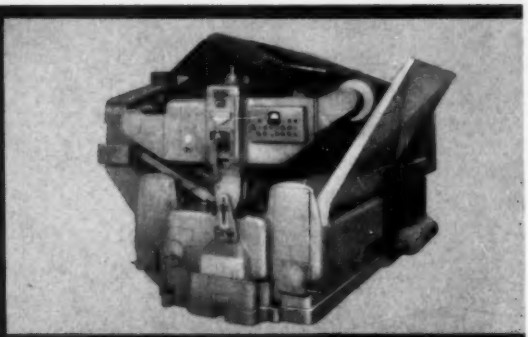
Rigidly constructed of heavy Meehanite metal, the Mattison No. 456 wide belt sander pulls up to 150 hp without vibration—maintains positive settings for sizing hardest stock to within .0015 in. over maximum width and full length. Feed rolls operate in either direction at fast feeds—let you rough, reset, and finish without costly downtime.

Unique four-roll head prevents transfer of motor pulsations to work finish. Long 20 ft belt is flexed and cooled as it cuts, providing freer cutting action and longer belt life. Belt changes are fast and easy—take only minutes.

EXAMPLE: At Algoma Plywood & Veneer Co., Algoma, Wisconsin, producing accurate glue-bond surfaces on edges and corners of surface door cores, bonded cupboard door cores, and similar products is a tough sanding job that requires unusual machine performance. After an intensive search for the right machine, Algoma found that no other sander could match the No. 456 for accuracy and productivity.

In a recent letter, Mr. R. P. Fulwiler, Algoma's president and general manager, said: "Since its installation, our Mattison has been running two shifts a day entirely on core stock, giving us uniform thickness throughout the core equal to any precision-type finish planer. Also, we are getting top production and added economies in sandpaper and reduced maintenance, helping to keep our sanding costs low."

To investigate first hand the production advantages of this new wide belt sanding method, call your Mattison machinery representative.



MATTISON

WOODWORKING MACHINERY

MATTISON MACHINE WORKS ROCKFORD, ILL. U.S.A.

"Built better . . . to produce better quality"

Mattison Machine Works
545 Blackhawk Park Avenue
Rockford, Illinois

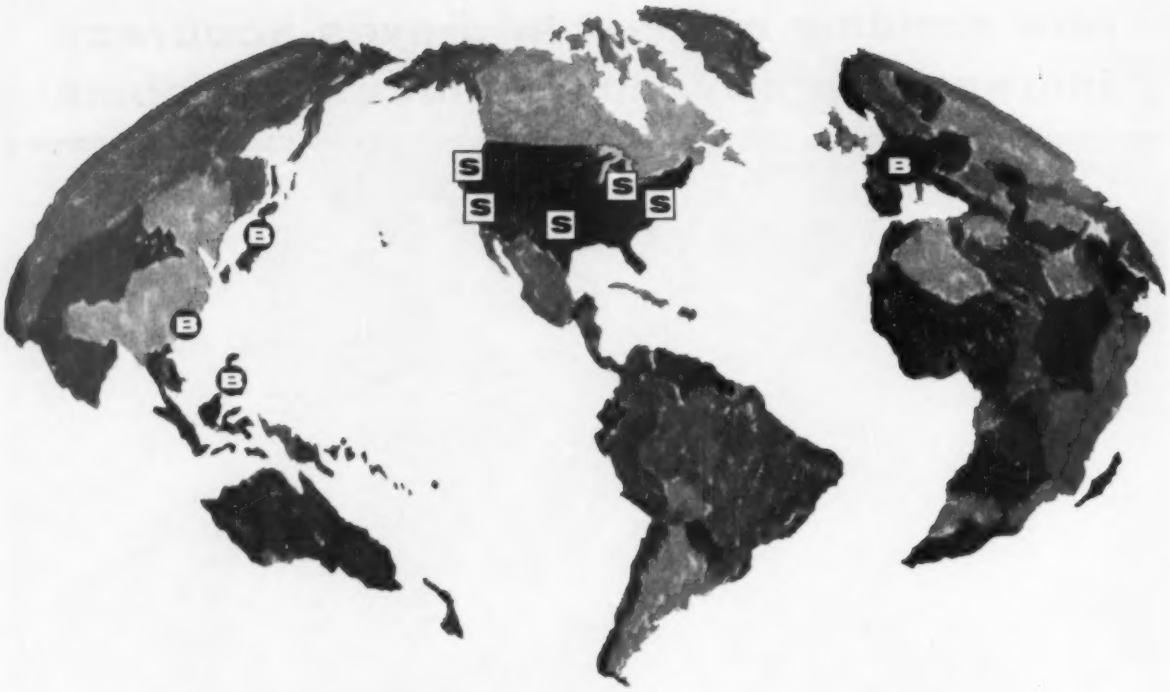
Gentlemen: Please send literature describing your No. 456 Wide Belt Sander.

Name_____

Firm_____

Address_____

City_____ Zone____ State_____



PLYWOOD SPECIALISTS...

BUYING FOR YOU!

B BUYING SPECIALISTS:
Tokyo, Manila, Hong Kong, Zurich

S SALES AND SERVICE SPECIALISTS:
Los Angeles, San Francisco, New York, Houston, Chicago

PACIFIC WOOD PRODUCTS COMPANY

Statler Center • 900 Wilshire Boulevard • Los Angeles 17, California

NEW *Automatic* SHEET PRINTER

Grade-Trademarks can be printed on your sheets as they move through your equipment with *no* extra operations; *no* slow-down; *no* interruption to production.

Matthews internal inking roller printers use metal backed, interchangeable, curved printing dies ½" thick! In addition, they snap in printing position in about 2 seconds. No tools required.

The unit illustrated is mounted under the take-off table and is rotated by the moving sheets of *VERSABORD* particle board as they pass over the printer, and the entire unit is adaptable to lowering from printing position when desired.

Write today for information, stating your requirements.

Illustration courtesy Weyerhaeuser Company, Silvatek Division, Tacoma, Washington

JAS. H. MATTHEWS & CO.
3962 Forbes Ave. • Pittsburgh 13, Pa.
Offices in Principal Cities

Does Your Plant Have—

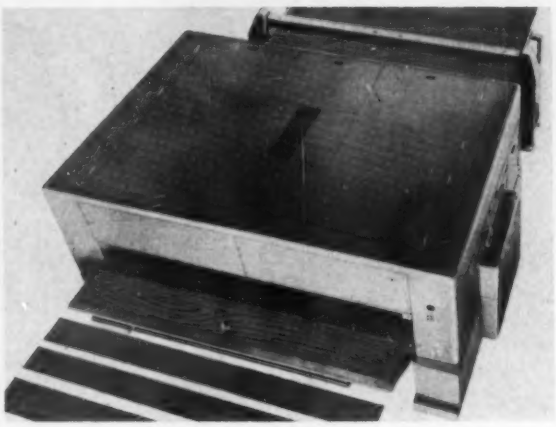
A Profit-Making Foursome?

VENEER JOINTING

John Veneer Guillotine Jointer

Perfection in jointing! Wide hold down beam. Double cut for thick and thin veneers. Motorized Parallel Back Fence.

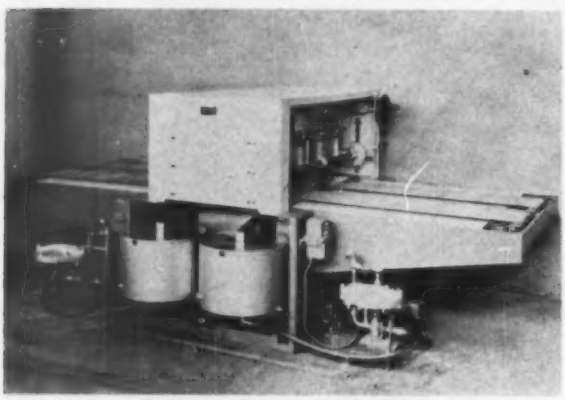
VENEER SPLICING



Fischer (Muller) Cross Feed Veneer Splicer

The world's most popular Cross Feed Veneer Splicer . . . its walking shoe principle takes veneers as thin as 1/28". Single or multiple ribbons of production simultaneously.

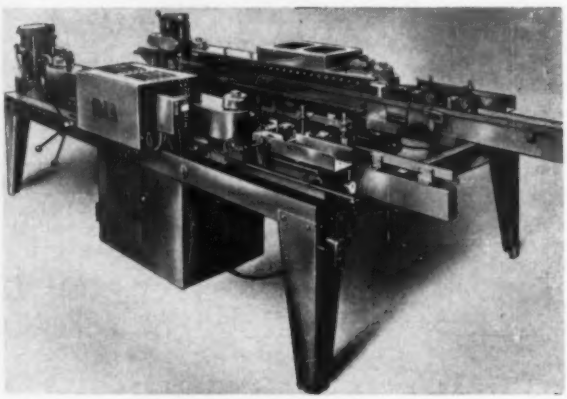
PANEL FINISHING



Steinemann Pressure Curtain Coater

For plywood paneling—or hardboard base and top coating—there's nothing like the Steinemann Coater for high speed, uniformity—"more miles per gallon" of material—and ease of operation and maintenance. No overspray or loss to atmosphere of solvents or solids—no rolls to adjust or maintain.

PANEL EDGE BANDING



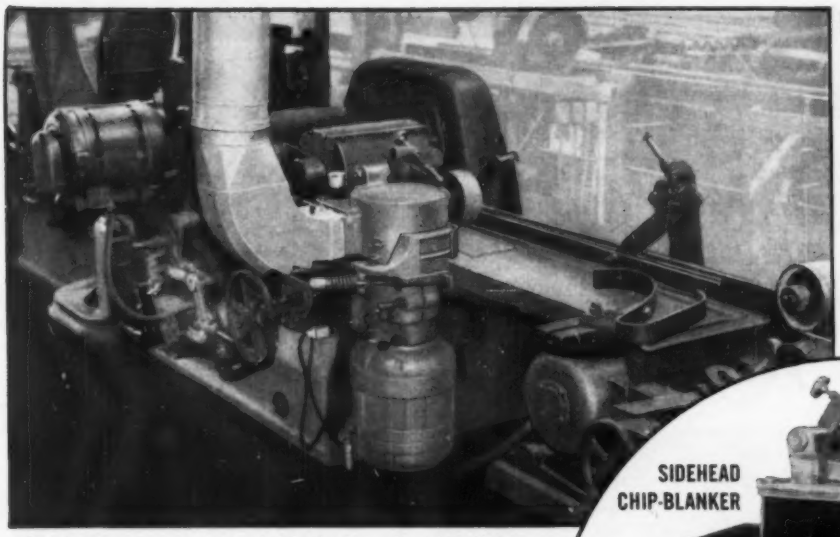
IMA Automatic Veneer and Plastic Edge Bander

The IMA Edge Bander is making profits for 40 American and Canadian plants. The IMA edge bands with wood or plastic and automatically trims panels faster and at lower cost than any other method. . . . Replaces five conventional edge banders.

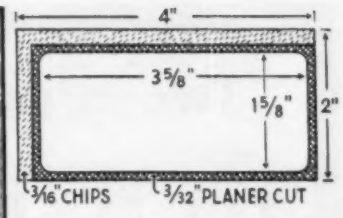
Investigate How These Production, Profit-Making Machines Can Work For You

wilco machine works, inc.

P. O. Box 3722 Municipal Airport Memphis 14, Tenn. WH 8-4555



Installation of new sidehead chipblanker unit at MacMillan & Bloedel, Ltd., Somass Division, Port Alberni, B. C.

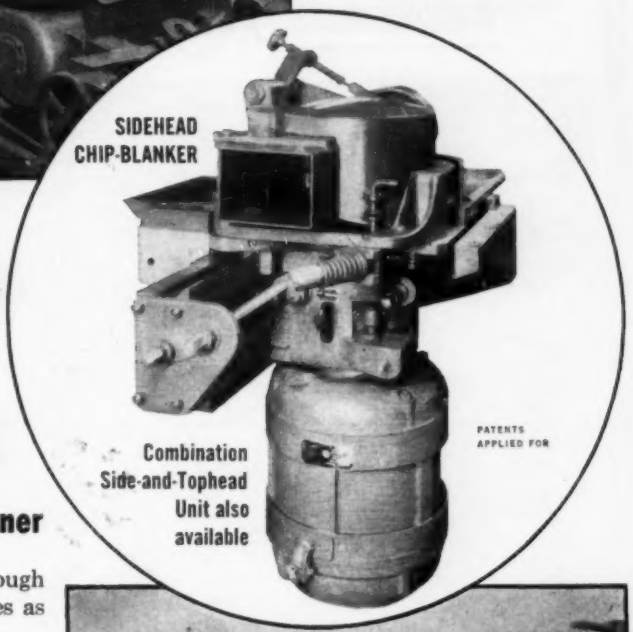


OVER 10% OF GREEN DIMENSION CAN BE SOLD AS CHIPS

Earn...Don't Burn

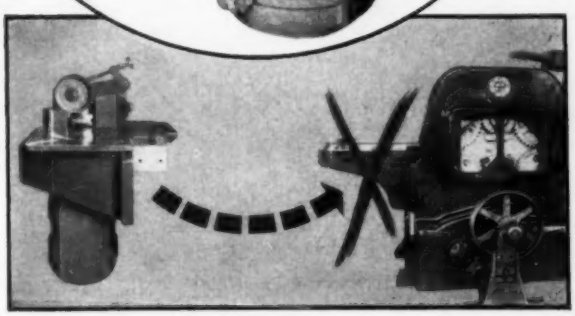
This New MILL-TESTED STETSON-ROSS CHIP-BLANKER

Earns Chip-Dollars Through Your Planer



In normal green-planing 20% or more of each rough board becomes shavings—a waste which increases as "cost", when you consider burner expense.

Now, after 3 years of intensive engineering and planing-mill tests, this new STETSON-ROSS Chip-Blanker has *proved* its ability to earn substantial increased revenue for lumbermen while reducing the cost of shaving disposal.



1. The STETSON-ROSS Chip-Blanker removes excess lumber thickness and width in the form of *marketable chip-sized* bites.
2. It eases the load on your planer-matcher, increases the production rate and reduces the frequency of grinding and jointing.
3. It improves the quality of your lumber because evenly-wide, evenly-thick blanks are fed to the finishing cylinders and side-heads.
4. The STETSON-ROSS Chip-Blanker is easy to install and is adaptable to *all makes* of planer-matchers.
5. In most mills the STETSON-ROSS Chip-Blanker will earn its cost in a few months.

Lumbermen are invited to send for detailed information on this important new source of added profits.

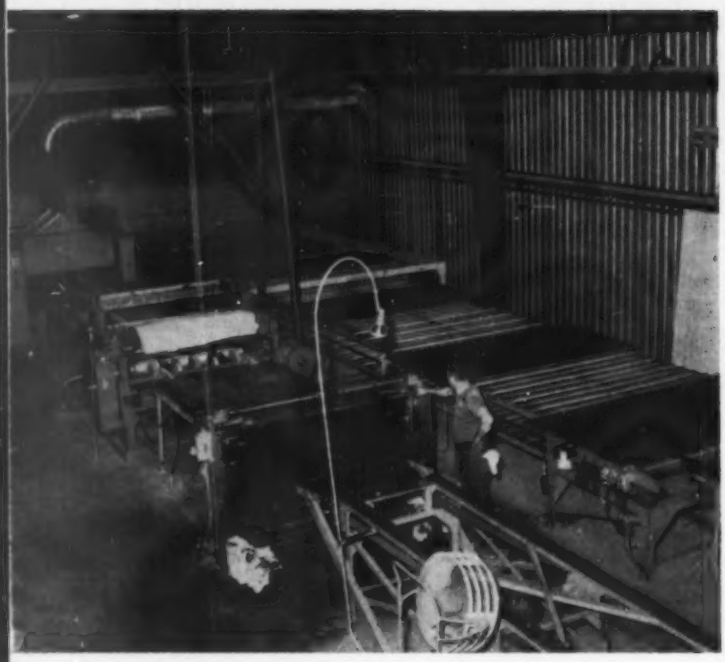
STETSON-ROSS MACHINE COMPANY INC
SEATTLE 4, WASHINGTON

EXPORT DIVISION, 301 CLAY STREET, SAN FRANCISCO, CALIF.

Two great names in wood finishing . . .

KOCH and DEBURGH

join to give the flat panel manufacturing industry automatic push-button finishing systems!



AUTOMATIC

finishing for . . .

PLYWOOD
HARDBOARD
PRESSBOARD
FLAKEBOARD
CHIPBOARD
FIBERBOARD
WALL PANELS
CABINET FRONTS
SIDING
WINDOWS
DOORS
TRIM

THIS AUTOMATIC SYSTEM integrates all finishing operations in one conveyorized operation. It will utilize your choice of finishing . . . curtain coating, roll coating, spraying, dipping, etc. Automatic operations of sanding, filling, padding, wiping or printing are built in. Koch ovens, either gas, steam or infra red are integral with the system. All equipment required for converting your white wood into the finished product is installed in your plant on a single responsibility contract.

Eighty years of experience in engineering, manufacturing and installing finishing systems for wood and metal are your assurance of a trouble-free production line with substantial cost savings in production and maintenance.

Profit now by calling for a no-obligation engineering survey and analysis.

GEORGE **KOCH** SONS, INC.
EVANSVILLE 4, INDIANA — HArrison 5-1321

Western Representative
DEBURGH CONVEYORS, INC.
110 W. Highland Drive
Seattle 99, Washington ATwater 2-8450

Market Guide

For the NATION'S FOREST PRODUCTS

To Help You Plan Ahead

A NEW WEEKLY MARKET LETTER

designed to present a fresh approach to market reporting and analysis for LUMBER and PLYWOOD.

Miller Freeman Publications cordially invite you to become a Charter Client of the **MARKET GUIDE**—an invaluable aid to charting a more profitable course in the turbulent period ahead.

Mailed to reach you each Monday, the new eight-page **MARKET GUIDE** will contain up-to-the-minute market news—and more. In addition to covering all major species of lumber and plywood, it will present a thorough analysis of the business outlook in major consuming regions.

Joining the Miller Freeman staff as Editor of the **MARKET GUIDE** is Roch W. Bradshaw. With over 15 years' experience in the forest products field, Roch Bradshaw is well known as one of the country's leading interpreters and analysts of the volatile forest products markets. Editorial offices are at 731 S. W. Oak Street, Portland 5, Oregon.

Backing up the Editor will be the many offices and staff members of Miller Freeman Publications from coast to coast—particularly those of nationally-known Miller Freeman publications serving the forest products industries.

The **MARKET GUIDE** will be delivered by air mail, at no extra charge, wherever necessary to assure delivery each Monday morning.

You need the MARKET GUIDE because:

- It will be geared to throw more light on the future.
- National in scope, it will report on Western Woods, Southern Pine, Hardwoods, plus softwood and hardwood Plywood.
- It will analyze housing and economic trends, both national and regional.
- Its quick-reading format will help clients spot market trends at a glance.
- The MARKET GUIDE will inform clients quickly, by telegram, of sudden market changes. Client's only cost will be the telegram charges.

Regular charge for this service will be $65 for 52 weeks—or $40 for 26 weeks. On orders placed before February 1, 1960, Miller Freeman Publications offer:

Special rate for Charter Clients: 65 weeks (15 months) for $65

To insure prompt start of the service, an order should be placed immediately.

Fill in coupon at right and mail to: Circulation Department, Miller Freeman Publications, 500 Howard St., San Francisco 5, Calif.

CHARTER CLIENT ORDER

Circulation Department, Miller Freeman Publications
500 Howard Street, San Francisco, California

Please enroll us as CHARTER CLIENTS of the new "Market Guide . . . for the Nation's Forest Products." As CHARTER CLIENTS we may request cancellation after reviewing our first four weekly issues—and receive a **full refund.** Or, if we elect to be billed after service starts, we may return your invoice for cancellation after receiving our first four issues. As CHARTER CLIENTS, we are to receive the following special rate if we place our order before February 1, 1960:

65 weeks (15 months) for $65. (Regularly, $65 per year)

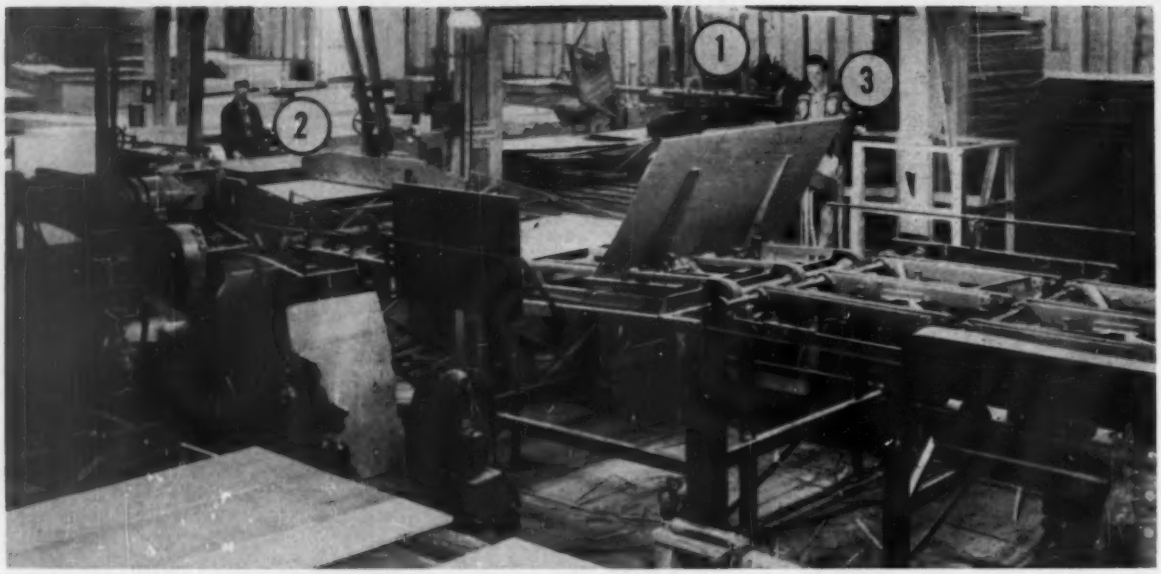
name

firm name

address

city zone (important!) state or province

☐ **Payment enclosed** ☐ **Bill after service starts**



1 Relationship of sizing saws to the inspection table. Greenlee skinner saw (1) is fed by Durand feeder. Panels are guided into trim saw (2) by saw operator, then feed directly to the inspection station (3). Pneumatically operated arms turn panels for inspector's viewing. Panels then continue right to automatic stacking units.

New Panel Line Automation ties together sizing, inspection, grade sorting and repatching into continuous flow. Upgraded panels result.

Three men handle the panel sizing, inspection, sorting, stacking and patching at MacMillan & Bloedel, Ltd., plant in Vancouver, B. C. They are the trim saw operator, an inspector-sorter and a patcher. The continuous flow, semi-automatic operation is tied together by push-button controls.

The creative engineering applied to the problem was by E. V. Prentice Machinery Co. of Portland, Ore., which built and installed the equipment, working with MacMillan production manager J. E. Young. They devised a system that permits all panels to be immediately handled through to their completion.

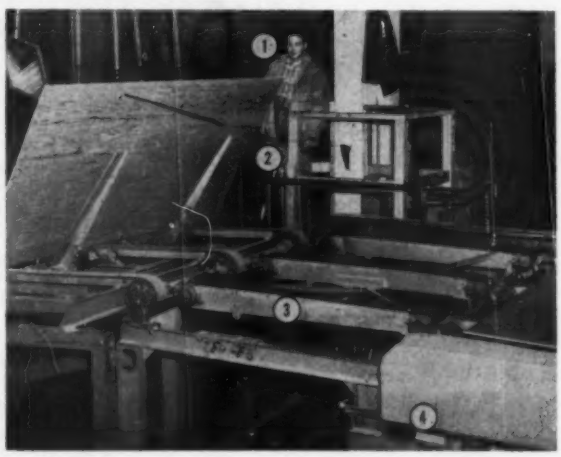
Stacking is no longer done behind the trim saw, nor are there any delays in discovering "blows" or other mechanical defects. Such conditions are immediately seen and can be traced back at once to eliminate their cause. Falldowns have been reduced and upgrading of panels has resulted.

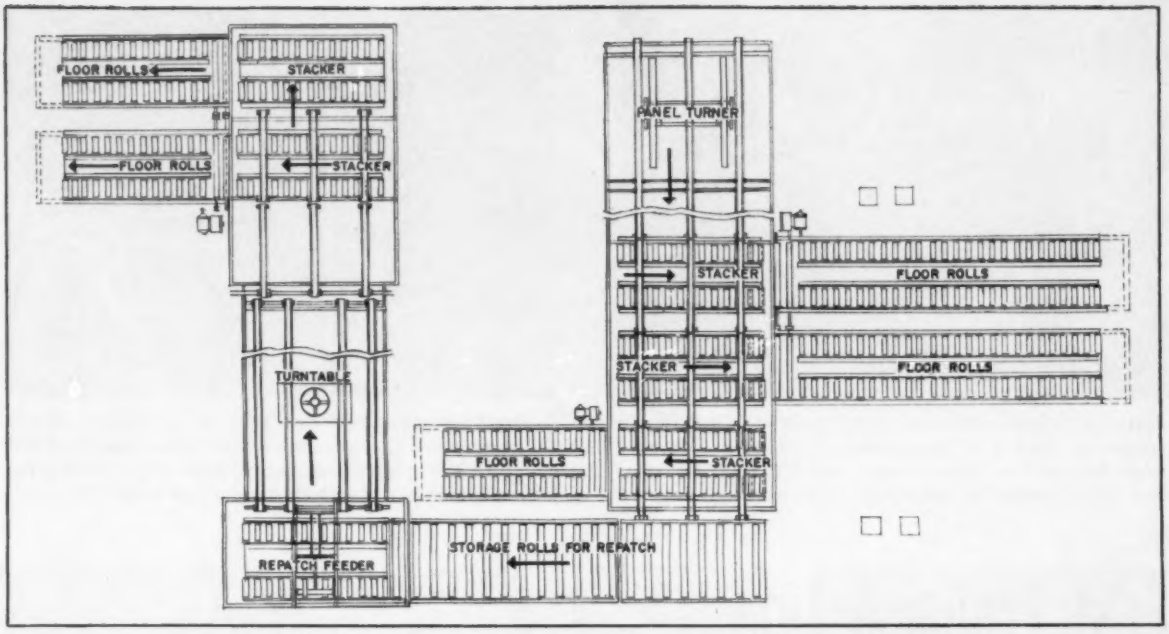
Panels are fed directly into the flow line from the sizing saws, through the inspection and sorting system and are stacked automaticaly. Sorted stacks are moved by lift trucks directly for further manufacture, except for the repatch line. This latter line is conveyed by floor power rolls to the feeder for the patching table. It is primarily a cycle system, with panels tnrued, sorting, stacking and unstacking all automatic.

Four sorts are made into stacking units by the inspector. They are: (1) sanding line, (2) rough sheathing, (3) rejects and (4) repatch.

The panel patcher controls panels from the storage rolls, feeding them to the automatic feeder. Because production is all exterior glue line, the patcher has one of two jobs to perform on each panel. He either routes or fills with wood compound. A turntable assists him in swinging each panel around for ease in working both ends. With a push-button control, he sends the panels to one of two stacking units, either for the hot patch setters or for the sanding line.

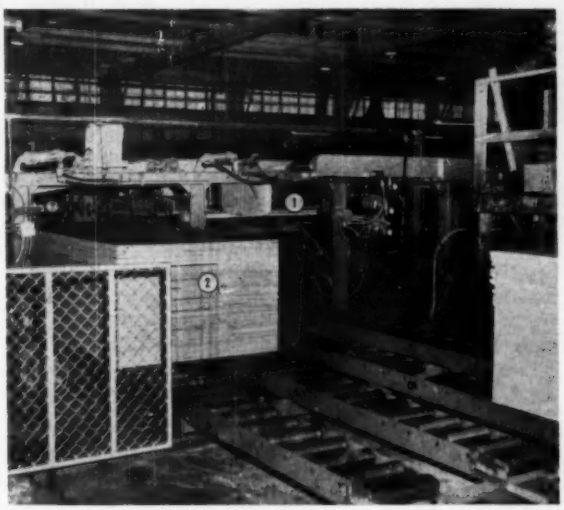
2 Panel strikes limit switch as it comes from trim saw. Turning arms are automatically activated. Inspector (1) examines both sides of panels, decides whether, sanded, sheathing, reject or repatch stock. (2) Pushes button for proper stacker sort. Tipple (3) is in raised position forming bridge. If panel was for sanding stock, it would drop, directing panel to stacker (4).



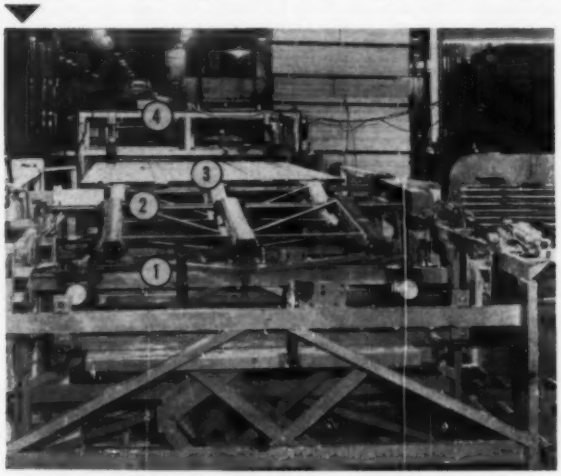


Floor plan showing flow system and equipment location of stacking and repatch units.

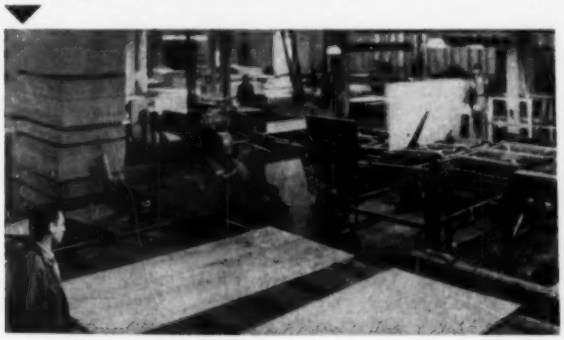
3 Two of the four automatic stacker units are visible, showing relation to the inspectors station at right. Other stackers are out of photo at left. First stacker (1) scissor lift is in raised position being filled. Stacker (2) is being automatically emptied, stack rolling onto floor rolls. Stacks are squared in the stackers with air-controlled pushing shoes.

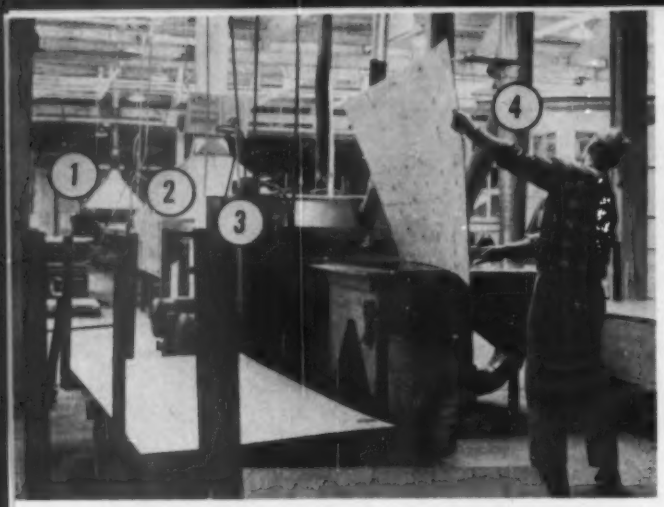


4 View of the repatch line from stacker units (1-2) looking through the stackers across patching table (3) to automatic feeder (4) in background. After panels are routed or wood compound-filled, patcher push-button sends panels into stackers in the foreground. One is for the hot patch line, the other for sanding line. Stackers empty automatically.

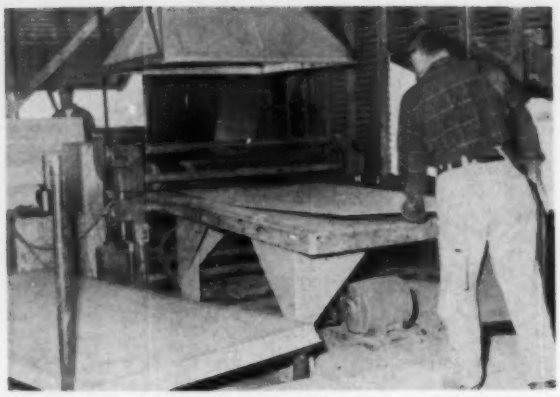


5 View of the patching table in foreground in relation to the inspection and sorting table in background. Completed panels on patching table go into the stacking units at left of operator. ■■





Prefinish line viewed from the offbear side. (1) is the coater unit and is behind groover and sander. (2) is the dryer next in line behind coater. (3) are the two sanders that apply finish burnish. (4) final grading of panel.



1 Panel preparation. First, back is sanded by Solem drum sander, face is scraped with Taihei scraper. Panel then goes through Schmutz bottom-roll coater (above) for filler. Curtis sanders smooth surface for finish.

Fast Prefinish Line is tied in with tight quality control program in plants converted to lauan-faced panels.

This might better be entitled "Harold Jones Does It Again." Heading up Multi-Use Panel Corp. and Lane Laminators plywood plants at Eugene, Ore., and Valley Plywood Co., Junction City, Ore., Harold Jones and his brothers were the first to introduce use of lower grade fir plywood for sheathing. Harold Jones has stepped out again, converting his two Eugene fir plywood plants to 100% Philippine mahogany (Lauan) production and Valley Plywood to 50% lauan. Lauan faces are used with fir and other softwood cores and backing. They are being produced competitively with foreign imports. The advent of prefinishing has been largely responsible for this development.

The Multi-Use Panel Corp. plant produces 7,000 panels, or 224,000 surface square feet of ¼" lauan daily, with 90% prefinished. Strictly a top quality operation, Jones observes Hardwood Plywood Institute grades and specifications as a member of that association.

The prefinished panel line is basically a General Plywood, Super Satin system, with innovations developed by Jones' company engineers and technicians. Reliance surfacing products are used. Filling of panels is done with a new Schmutz bottom filler.

Cores and backs are mostly fir veneer, but hemlock and other softwoods and cottonwood are successfully used for these interior decorative panels. The V-Grooved or plain panels are made in three shades: natural, medium and dark. Exceptional results have been obtained and panels need only be waxed. Further finish can be applied in-place, if desired.

A high degree of quality control and careful grading are essential, according to Jones. Finished panels are

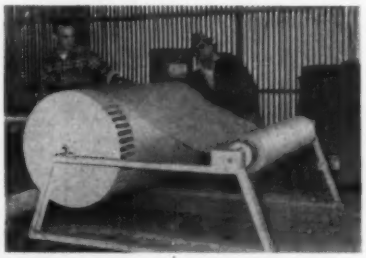
Dry Glue Line Speeds Layup

Use of the Paper Glue Line in laying up the production of 5/8" exterior Philippine mahogany siding panels is progressing at Lane Laminators plywood plant at Eugene, Ore. Putting out 96,000 surface sq. ft., or 3000 panels of exterior siding daily, production is entirely of lauan face stock with fir core and backs.

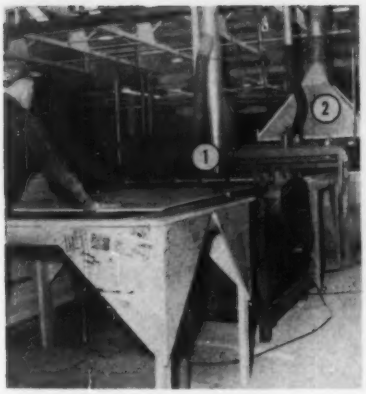
While part of the regular production is still handled by standard glue spreader system, the Reichold PGL No. 2000 appears to hold real promise. Sheets of PGL are pulled from an elevated stand and laid between faces and core, building up panels in regular manner. The dry sheets are fast and easy to handle.

Advantages are said to be in reducing chances for blows; no bleed through and the laid up veneer can be stored ahead of the hot press for an indifinite period. The PGL layup is handled by three men at each line.

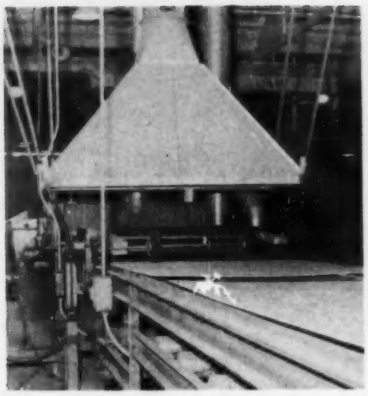
The lauan exterior siding faces are selected for quality and color of the wood. Colors are in three classifications: red, light red and dark red.



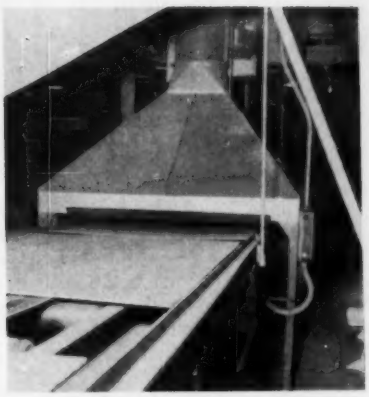
Reel for winding PGL to 7' and 8' lengths, devised by plant engineer Ivan Rothrock. PGL is wound from roll onto slatted cylinder that is 8' in circumference. Rolls up 50 sheets at a time. Sheets cut by knife are laid flat and wrapped in plastic.



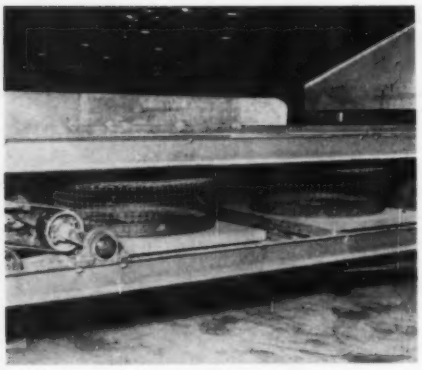
2 Pre-finish. First of two men line feeds panel to groover (1) to score pattern. Panels move through Curtis sander (2) for smoothing.



3 Finish coat is added by this coater machine. Additive for color tint is applied here. View is from offbear side, panels moving toward camera.

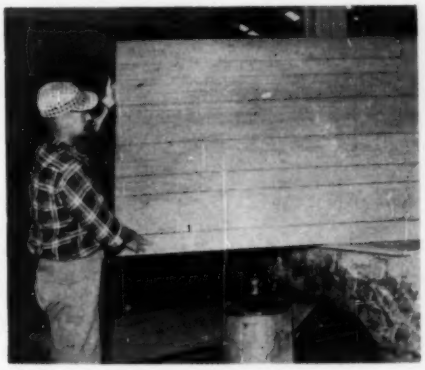


4 Drying is the next stage. Panels move ahead to company designed unit. Here surface is cured for the final burnishing of the face.



5 Fans on lower section are to cool panels as they emerge from the dryer. They are positioned between the dryer and the sanding machines.

6 Final stage is burnishing panel faces with these two Curtis belt sanders. The light sanding gives smooth beautiful surface.

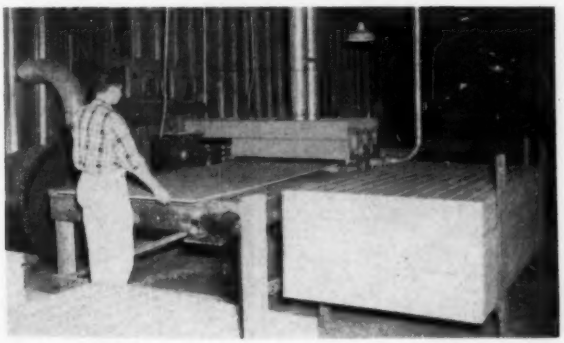


7 Inspecting and grading behind sanders. Stacked by grade, panels are now ready for packaging. Grader is second man on the line.

packaged with paper between panels. Cartons are labeled and merchandised under different Jones' trade names, according to grade.

Some of the equipment, including the groover and dryer were designed and plant-built by company master mechanic Ivan Rothrock. ■■

Laying up with PGL at Lane Laminator's plant. PGL sheets are pulled from stand and laid between face and cores—following regular layup practice.



Plant built groover is used to groove panels to pattern after they have gone through hot press, saws and sanding. Heads on groover are changed to vary pattern. ■■

Speedsand Line

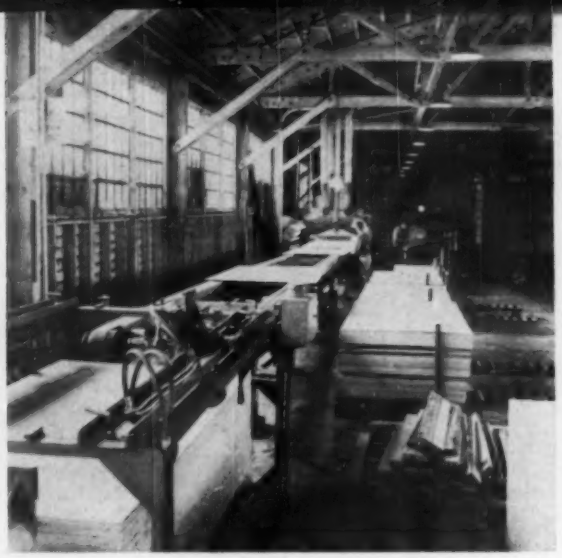
- Cuts sanding costs
- Increases production
- Upgrades panels

Sanding has been both speeded up and quality improved, while costs have been reduced, by the addition of the resanding line at Giustina Veneer Co., Eugene, Ore. Here is how it operates:

• All panels coming from the saws are run through a Solem 8-drum sander. Panels are stacked here, not graded, and all go to the patch line.

• Finished panels, requiring no further handling, are sorted and stacked at the patch line. Patched panels are sorted out and all single face panels go to the resand line with some double faced panels. Other double faced panels go to the Solem sander for resanding.

The resand line is a semi-automatic section or unit consisting of a feeder, belt sander, sorting table and automatic stacker, handled by a grader and one or two sorters and an automatic stacker.



Complete resanding line viewed from stacking end. At far end is *Speedsander*. Behind sander is grader station. Sorts are made off chain onto floor rolls. On-grade goes over end into Western Machinery automatic stacker. Sorts are made for shop, hotpatch, up and down grade off belt and predominent on-grade in run goes into stacker.

Pre-Coated Duraply Siding is prefinished in one-man operation

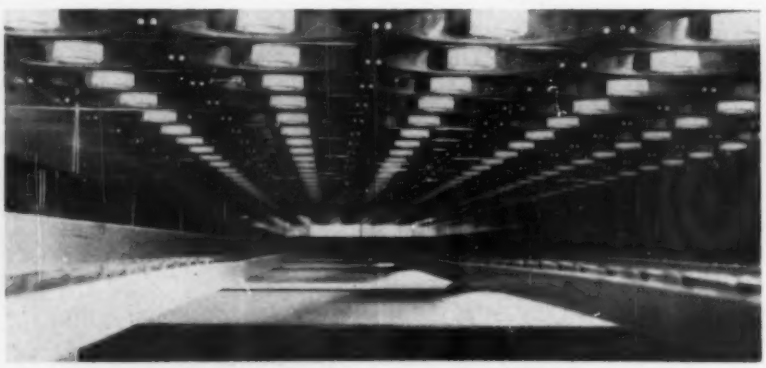
at Cascades Plywood Corporation, Lebanon, Oregon.

A one-man prefinishing operation prepares panels for production of Duraply exterior siding at Cascades Plywood Corp., Lebanon, Ore. The same pre-coating may be used on many types of panels.

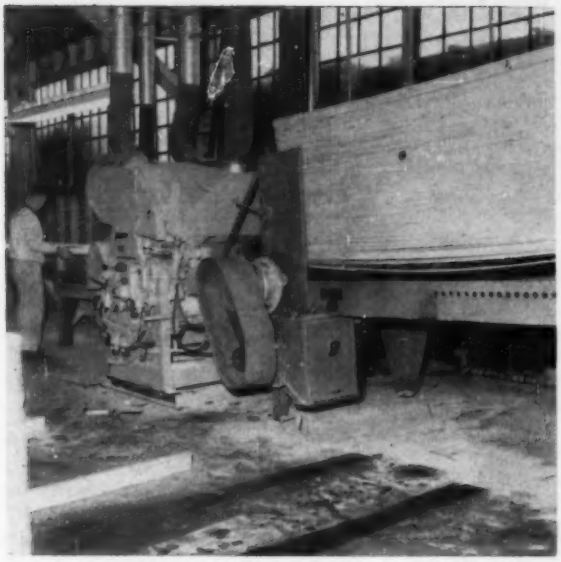
Before panels are ripped and fabricated into siding, they are pre-coated by the prefinishing system recently installed at Cascades. Stages of the operation are pictured here.

All Duraply is made of medium density, Crezon overlay on fir plywood panels. It is made in two types: 5/16" for applications over sheathing and 3/8" for direct application to studs. Lengths are 8, 10, 12 and 16 feet and widths are 12" and 16". Backs are stripped and panel edges beveled for the proper angle. Strips are glue-stapled on back of panels.

3 Slow-down rolls reduce panel speed as they enter the American Sheet Metal "flash off" dryer.

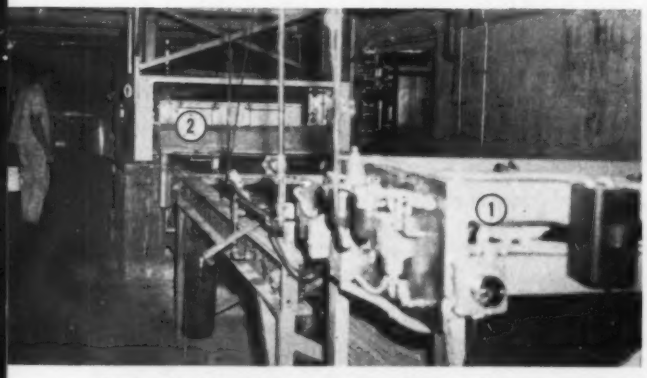


4 Panels next proceed through the 42' long main Dry-Clime dryer. Ceramic dryer units are used. The infra-red oven has three 14' temperature zones for the positive drying control of the coatings being applied.

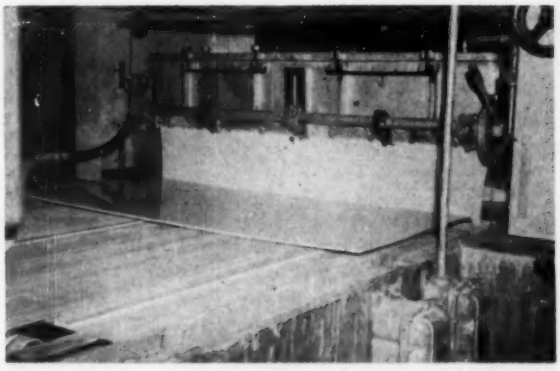


Feeding the Timesaver *Speedsander* is a Cardwell automatic stacker. Use of rubber feed rolls improved feeding.

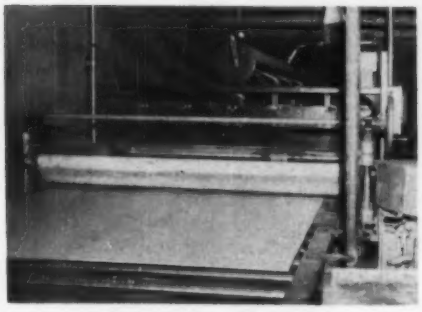
All grading is done on offbear side of sander. Note the efficient grading lights that highlight any defects. ■■



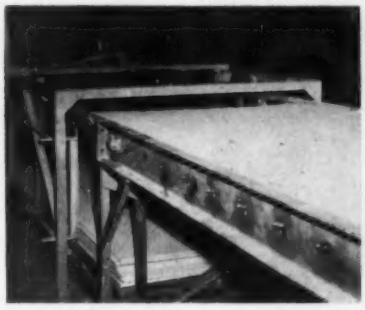
1 A Hy-Flex feeder (1) automatically sends panels through the Steineman flow coater (2) to lay on the sealer coat. Coating operation is handled by one man.



2 Offbear side of Steineman coater shows panels emerging from paint curtain. Panels travel at 400 to 600 fpm. Speed of travel determines thickness of sealer coat.



5 Buffing the surface is final process step as panels pass through Grenco buffer. This completes the all automatic pre-coating.



6 Final step is the stacking of coated panels with a Western Machinery Corp. automatic stacker, ready for ripping.

7 Back strips for Duraply are fed from holder at right, through glue rollers (1). Back strips are air-stapled onto back of siding. ■■

Six Sanders In-Line Save Time and Handling

Keeping pace with progress in the plywood industry and dependent upon customer demands for a constant increase in product quality, the United States Plywood Corp. at its Seattle, Wash., plant has installed six Speedsanders in a single production line to produce smooth, polished surfaces for their specialty panel products.

Over the past several years this plant has changed its production pattern from that of a conventional Douglas fir plant to the point of producing 100% specialty products, most of which are quality hardwood-faced panels. To be competitive in this market has required a constant improvement in production practices and refinement in manufacturing techniques and machines.

United States Plywood Corp. became familiar with the Timesaver sanders originally in connection with their plant in Orangeburg, S. C., which is wholly devoted to the production of hardwood plywoods—most of which are destined for wall paneling. Original plans at Seattle, called for two Timesaver or Speedsanders which envisioned a single top and bottom belt sander. The objective originally was to reduce substantially the amount of belt sanding after panels had gone through the conventional double-deck 8-drum sander. Belt sanding is regarded as a costly operation, with its low production, and it is the cause of a considerable quantity of rejects due to sandthroughs. After the first two Speedsanders were installed and operated, it was not only apparent that considerable savings were effected in the reduction of belt sanding but also by making a number of passes utilizing consecutively finer grit, perhaps a much greater highly polished surface could be produced on hardwoods such as birch, oak and maple.

The decision was made, therefore, to install a line of speed sanders that could be adapted to the typical west coast mass production operation. Following through on this decision, the company has now installed a line of six Speedsanders, of which three are top machines and three are bottom machines, all closely coupled so that panels may be polished to a high degree in one single pass through the line.

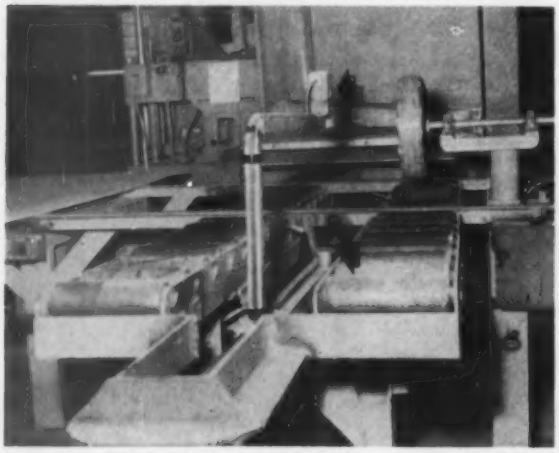
This operation has not only eliminated about 90% of the belt sanding which was formerly required, but has produced a surface finish that is much superior to that achieved by the customary double-deck sanding procedure.

In actual operation, the line of Speedsanders is fed by a Durand sander feeder and only two men are required as offbearers who stack the plywood as it is discharged from the line. Because of the high rate of pro-

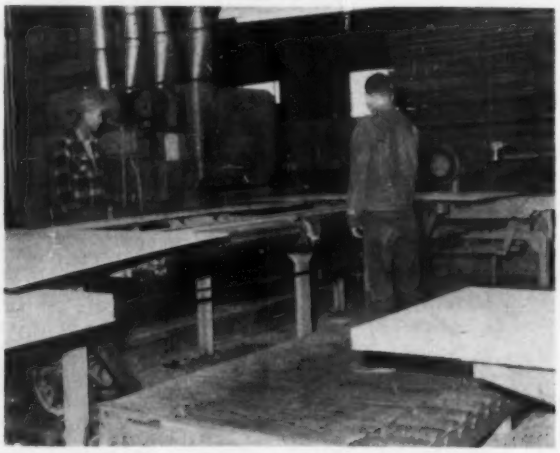
Resand Line assures panels of uniform thickness, improved face.

A versatile resand line developed by Martin Bros. Container & Timber Products Corp., Oakland, Ore., keeps panels at uniform thickness and provides improved faces.

All resand and patch panels are run through the new Yates S53 sander for cutting and dressing at the rate of 90 lineal feet per minute. The offbear section was developed by company mechanic Harold Jones. Its photo-electric cell controls and easy sorting on scissor lifts make it a fast moving operation handled by two or three men. The machine also burnish-sands hardwood panels.

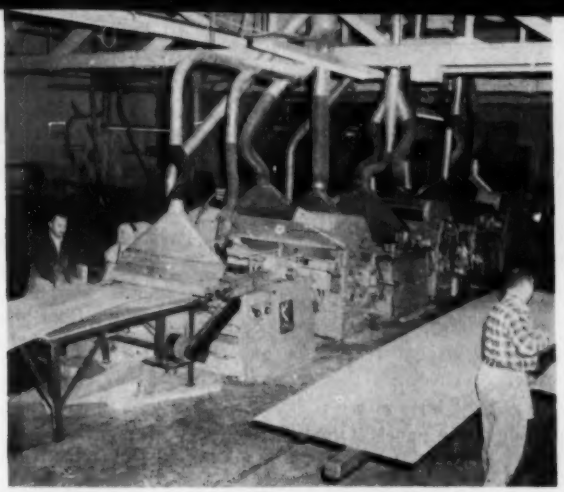


Offbear side of Yates S-53 belt-roll sander system. Sander has roll and top and bottom belts. Cuts and polishes. Arrows point to photo-electric cells. Panels intercept beam dropping rolls and belts move panels to sorting section. Note hold-down wheel.



Sorting from table is onto scissor lifts. Note power side rolls that help sorting. All panels go through this system to give better surface and appearance. Two men sort off sides. Balance of the stack goes over the end of the table into a stack. ■■

Feeding of Speedsander line may be either manual or automatic. A Durand automatic feeder with scissor lift is used for the thin panels. Other panels may be fed by hand from lift truck.



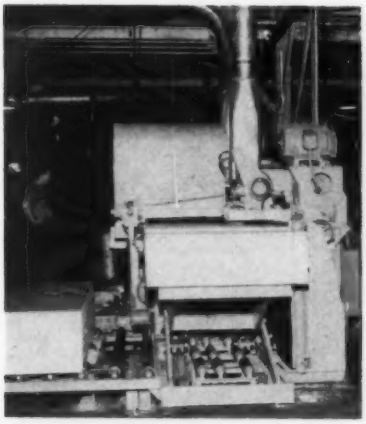
Outfeed end has two men who stack panels. Panels travel at 60-fpm. No grading is done at sanders. The six sandings in-line save time. With automatic feeding, only two stackers attend the machines.

duction, the offbearers do not have the opportunity to grade the panels and separate grading and inspection takes place prior to shipment.

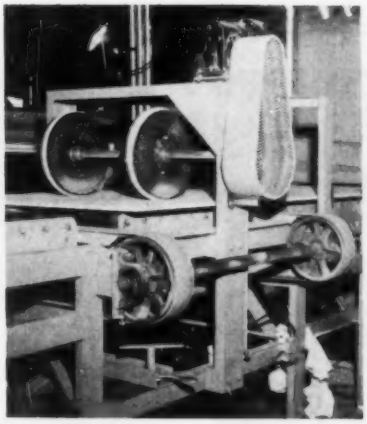
Most of the other existing sanding equipment in the plant has been retained since the line of Speedsanders is not yet adapted to the production of long length panels or to Douglas fir Marine Grade, which constitutes an appreciable share of the plant's output.

Production on a two-shift basis through the Speedsander line approximates 5 million sq. ft. per month. The new sander line will take panels at the rate of 60′ per minute on the average and can actually sand up to a rate of 90′ per minute. The bearing rolls in the Speedsanders are rubber faced and relatively soft. This permits them to move with the contour of the panel itself. Generally speaking, sequence of the sanding operation through the first, second and third stage follows grit sequences of 2/0, 6/0 and 9/0. ■■

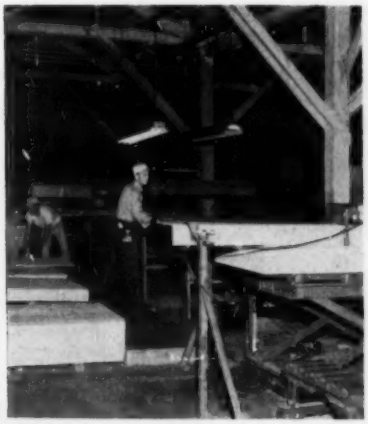
New Sanding System Under Study



New sanding operation at Anderson, Calif., plant of U. S. Plywood Corp. is being studied. Panels delivered to lower-level rollers, at left, by fork lift will be raised on the scissor lift and automatically fed to the Yates S53 sander by the Durand feeder. Speed is 70 to 90 feet per minute in the sander. Bent pipe assembly at right is a ladder affixed for easy access to the top of the machine.



One grader and two pullers are currently on the operation. Panels emerging from sander are held down on roll cases by two rubber wheels. The panel shown in photo has just begun to deflect a limit switch wire and roll case will drop and panel will move forward on conveyor belts. At left, above wheels, is protective case for one of two banks of lights mounted above conveyors.



Panels being pulled here are being stacked into two loads of OK's, one shop, one for the belt sander and one for falldown. Stock to be patched is going over end and is automatically stacked on the Globe scissor lift. Stock, when patched, will be sent through the S53 again and regraded. Sanding operation is relatively new and some modifications will probably be made. ■■

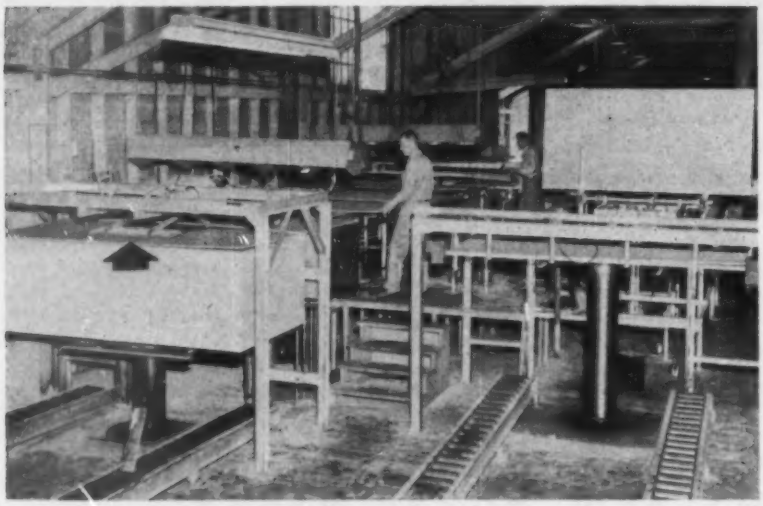
Two-Man Patch Line Saves Time and Labor...

This automatic patch line designed and built by head mechanic Vee Hall at the Crescent City, Calif., plant of Northern California Plywood Corp. is both a time and labor saver. Fatigue on the parts of the router and the patcher is reduced to the minimum, since very little effort is involved in handling the panels. Greater attention can be given to the patching job and it can be done better and more rapidly.

The U-shaped line is compact and takes only a small proportion of the plant's floor space for the job it performs. The infeed and outfeed lines are separated by just the 3-foot width of the work platform.

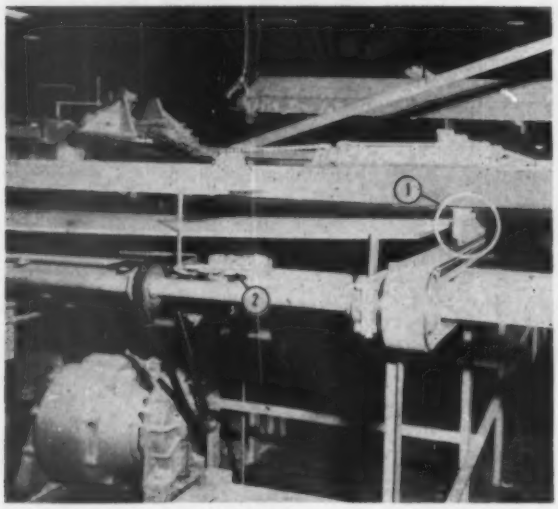
The patch line also includes a panel turner.

The line is built of angle iron and channel iron. Most controls are Micro Switches of the plug-in type with cat whisker actuators. Hand tools and air lines are suspended overhead at the two stations and reaching and lifting is minimal. Air blasts are used to clean the panels after each man has done his work on them.

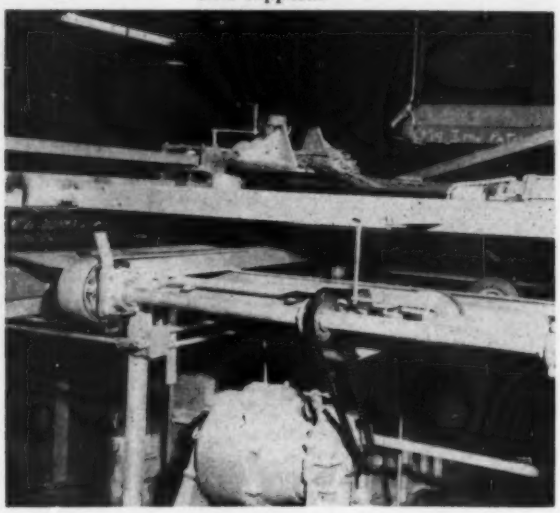


1 Entire patch line is shown here. Feed arm (arrow) is moving back into position to push next panel forward. Man at router station is advancing finished panel. Patcher is turning panel he is working on. Work is well lighted by plywood-enclosed lights at each station. Finished panels are being accumulated at the right. Lifting and lowering of panel stacks is by push button.

2 Router's station. Left pedal controls advance of panel. Right pedal controls rise and fall of turntable, allowing panel to be turned end to end. Panels shown rest on angle iron supports.



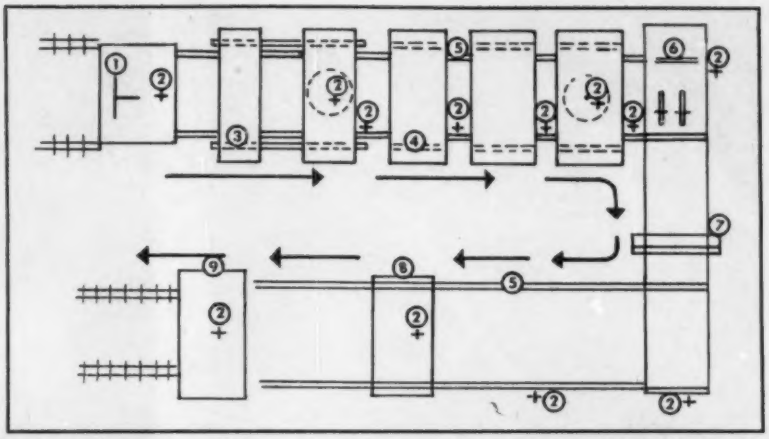
5 After patching and releasing, the panel moves on conveyor belts until leading edge strikes trip switch. Push arm (1) moves forward and wheels (2) rise to feed the panel to squeeze rolls, the top one of which is spring loaded. A 5-horsepower motor turns the rolls.

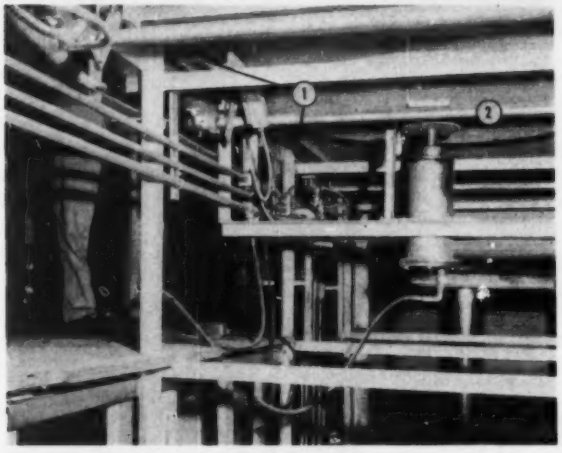


6 Panel at left is emerging from squeeze rolls, wheels have dropped into position below conveyor belts and the push arm has retracted. Belts on both infeed and outfeed lines travel 50 ft. per minute. Handle at patcher's face is part of squeeze roll assembly.

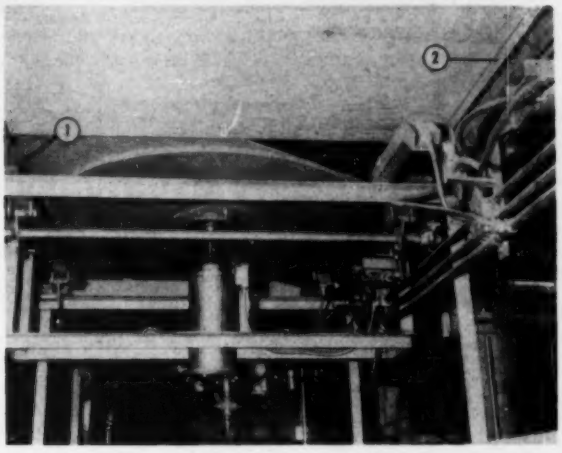
Reduces Cost

1. Feed arm to push panels off stack.
2. Switches.
3. Double-panel support.
4. Single panel support.
5. Belt.
6. Push arm to put panels in rolls.
7. Squeeze rolls.
8. Panel turner and scissor lift.
9. Automatic stacking.

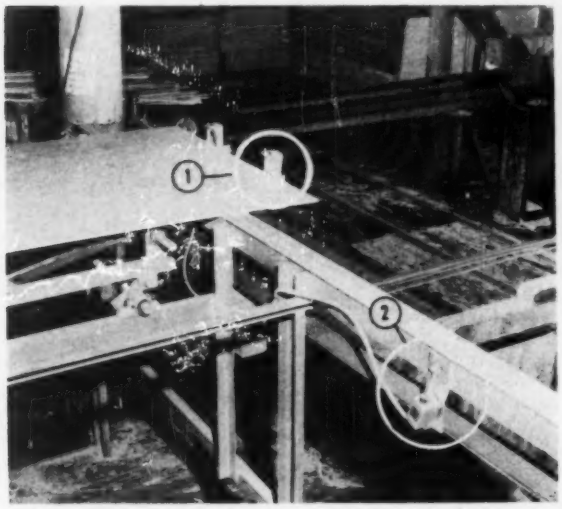




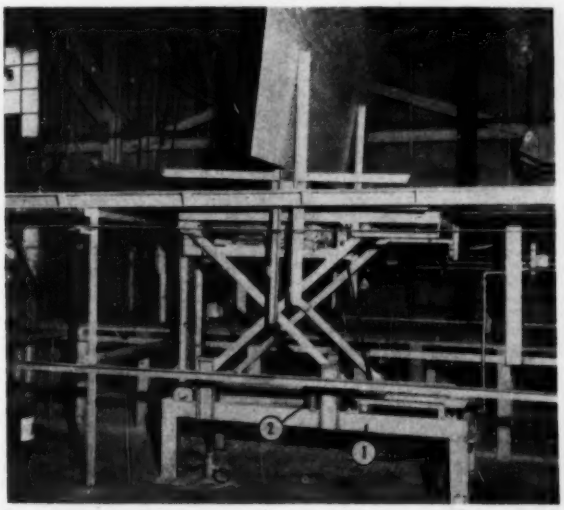
3 View toward infeed end, at routers' station. Turntable is circle cut from plywood. Slightly visible channel iron support (1) for two panels. Shaft (2) is one of two at each support station. Air cylinders operate linkages, to raise or lower pairs of supports above or below conveyor.



4 View of patcher's station. Panel being turned revolves above support (1) which is in up position. The panel in top foreground is next to move up, resting on supports (2) above belts. In background, left of cylinder, are wheels which will support the patched panel at end of in-feed line.

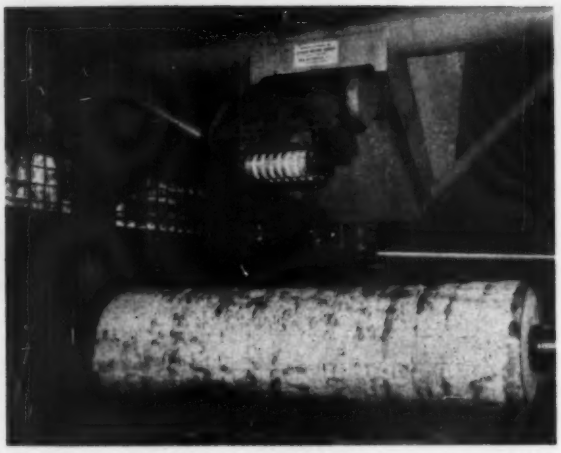


7 Coming out of the squeeze rolls, the panel moves onto a rack just above belt level. It strikes a switch (1) and the rack is lowered so that the panel is borne away at another right angle. As it moves along the belts it strikes a switch (2) and the rack is raised for the following panel.



8 If both sides are to be patched, the panel turner automatically turns the panel over. If it is to be a one-side patch, turning device mounted on scissor lift is lowered below the belt level. Wheels (1) move in on inclosed track and upper part rests on heavy springs (2). ■■

Wayne Calder, resident superintendent, shows alternating steel and rubber components which make up the twin hold-down rolls.



In retracted position, Durand hold-down unit is cleared for incoming peeler blocks. Unit is mounted on 8′ Merritt lathe.

Hold Down Ups Recovery by allowing operator to peel to smaller diameter.

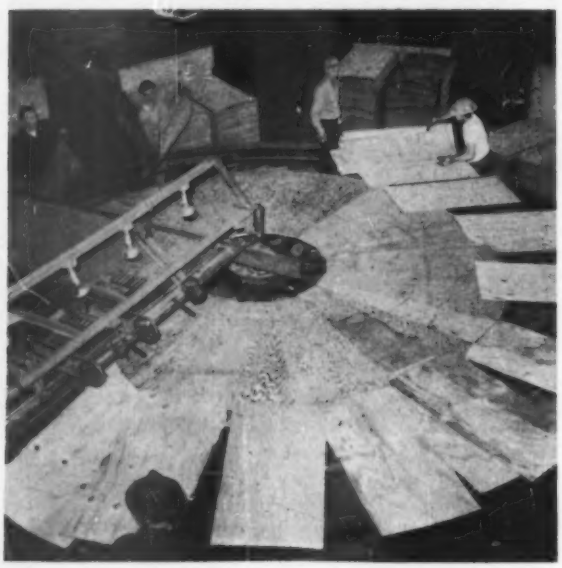
A Durand lathe hold down roll at the Pacific Coast Co.'s green end at Leggett, Calif., has enabled the plant to peel down to a diameter of 6⅝″. The former minimum was 9″.

Since installation of the hydraulically-operated hold down roll, the plant is now peeling 13″ diameter material. Previous minimum was 18″.

This is a move to gain more utilization out of each block that is peeled at Leggett. The plant now is using logs it could not previously use economically. Also the percent of 48″ stock has gone up.

Young growth peelers are being used, a type of log that the company did not before consider peelable. The fiber was satisfactory, but the strips coming from such raw material were not satisfactory. Though it takes more time to handle smaller peelers, the time factor is more than offset by the increase recovery. ■■

Hold-down roll keeps even pressure on block as it is peeled down, preventing it from flaring out, stops uneven cuts.

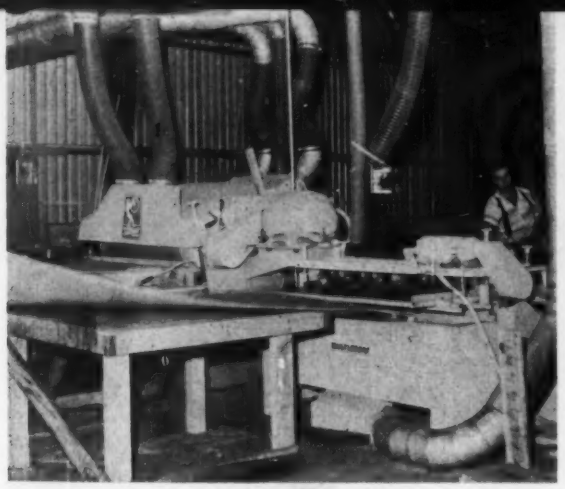


Wheel Sorter allows workers a second chance at making his sort. Space saving is another benefit.

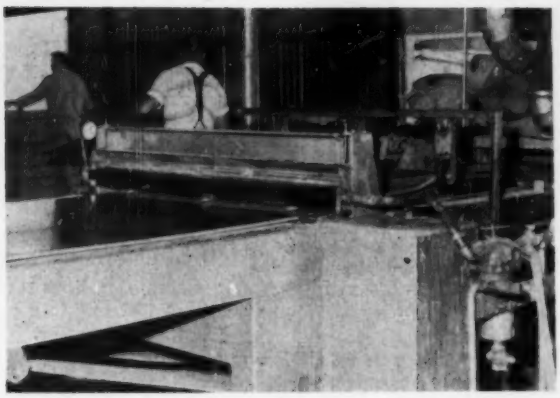
The unique sorting table at Coquille Valley Lumber Co., Albany, Ore., permits veneer to continue to go around until it is finally sorted into its proper stack. Sudden surges of stock cannot get by the busy sorters, who are able to make a 100% recovery sort.

The 6-line 12-section propane-fired Prentice dryer used for core stock drying, offbears through a Laucks Sentry moisture meter, directly to the circular sorting table. Veneer over 6% is marked by the meter. There are five sorting stations on the "big wheel" that can be started or stopped by foot push-button at the head sorter's position.

The sorting table is 24′ in diameter, 12′ from the center post. It is constructed of steel with rod webbing and is gearmotor driven. Saving of space and improving recovery have resulted from its use. ■■



1 First step in custom prefinishing is grooving of panels to be patterned with a Multiscore machine, right. Heads may be changed for grooving patterns. This is followed by burnish sanding with Speedsander, left, using a 3M 6.0 grit sandpaper. Surface is then ready for coating.



2 Flow coater that supplies curtain of sealer coat is a Gasway unit. Panels travel 450′ per minute through coater that lays a smooth, evenly distributed clear sealer. Pigmented sealer can be used if desired. Slow-down belts behind coater slow panels entering the dryer.

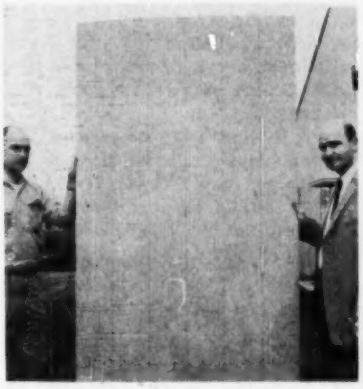
Custom Prefinishing has future in hardwood and fir panels—interior, exterior and roof.

Prefinishing of plywood panels on a custom basis was introduced to the west by Tom Welsh, at his new Welsh Panel Co., Longview, Wash. The custom service lends itself equally well to plywood and board.

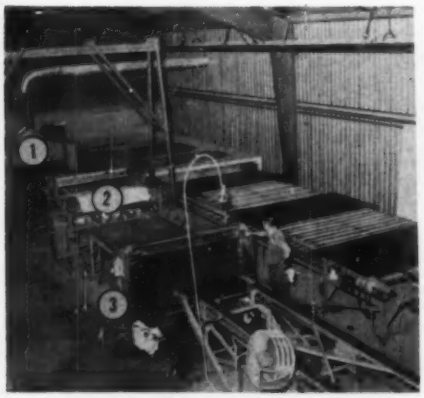
Custom prefinishing of plywood includes prime coating, or prime and prefinish coating, heat curing and buffing—supplying panels either plain or grooved to pattern. The prefinish can be applied to any species of hardwood or softwood plywood using clear or pigmented finishes or stain. In-line also is a printer-coater which will lay on wood grain surfaces. The 20,000 sq. ft. plant can prefinish 3 million sq. ft. of panels per month.

Mr. Welsh sees a growing field for precoating of exterior panels such as Texture 1-11 and other siding as well as for the decorative interior panels. There will be mouldings to match. Probably one of the most promising fields, he believes, will be that of plastic-precoating of fir roof panels.

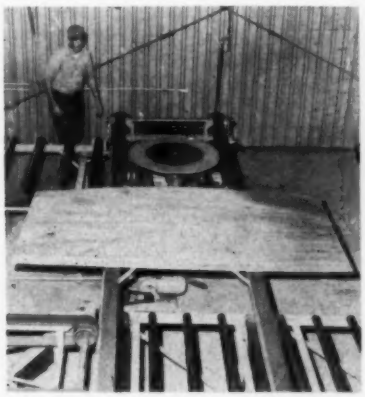
Tom Welsh was formerly sales manager and one of the owners of Welsh Plywood Corp. at Memphis, Tenn., now owned by E. L. Bruce Co. ■■



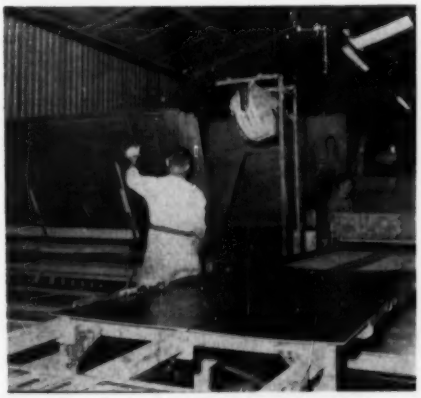
Production manager Paul Pellerin, left and president Tom Welsh, right, hold a completed prefinished panel. Reliance paint products are used at plant.



3 Offbear side of first section of Koch dryer. Second section at right. (1) Grenco flex-wheel sander, sands sealer coat. (2) Schmutz printer-coater for panels to be printed. (3) Gasway coater applies second coat.



4 Panels transfer across to second dryer section by jump belts. Turntable places wide panel edge to feed into dryer for second coat drying. Panels travel a total distance of 500 feet from feed to finish stacking.



5 Offbear of second Koch dryer unit, left. Infeed side right. Panel turners turn panels twice to cool. Fans circulate cooling air. Finished panels feed under infeed table, then through a buffer and are stacked. ■■

Counterbalance System Speeds Closing Cycle

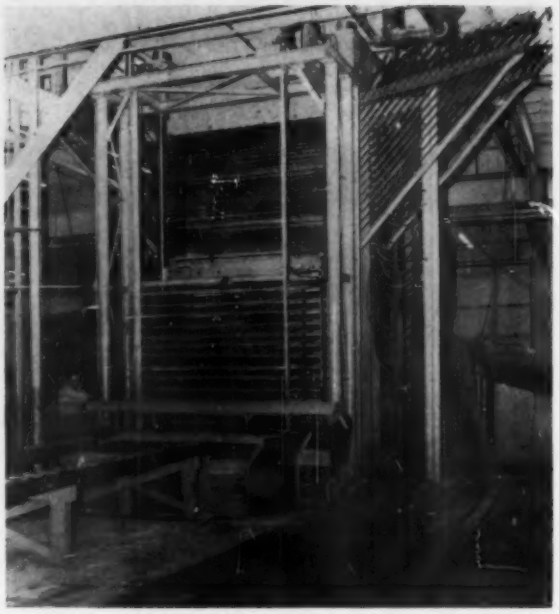
The closing cycle is reduced to one-third that of conventional presses with the counterbalancing system on the Washington Iron Works 30-opening multi-platen hot plate press and unloader at Weyerhaeuser Co.'s Snoqualmie, Wash., operation.

The system permits faster closing without the "blow" that disturbs placement of the veneer laminations before being pressed. Counterbalancing also contributes to quality control by assuring equal pressure on all panels in the load.

New flexible hose to carry steam to the platens is another feature of the equipment. The recently developed hose is made of a tube of Teflon, a DuPont trademark for its tetrafluoroethylene resin, with a stainless steel, corrosion-resistant wire braid outer cover. It is manufactured by Aeroquip Corp.

Aeroquip Teflon hose used on the Weyerhaeuser press is ⅝-inch inside diameter and ranges in length from 4 to 8 feet. A single 30-opening press requires a total of 60 hoses.

Production cycle of plywood at Weyerhaeuser's Snoqualmie plant is continuous, once the glued veneer reaches the pressing stage. Veneer is hand-inserted into the loader charger which elevates from a pit in the floor. Automatically, the charger pauses at each opening as it rises, permitting easy insertion of veneer into the empty openings. After filled and in full up position, the charger



automatically loads the press, and at the same time pushes the cured plywood in the previous load from between platens and into the unloader.

While the press is in the curing cycle, the unloader unloads the cured plywood and stacks it while the charger returns to low position for another load of veneer.

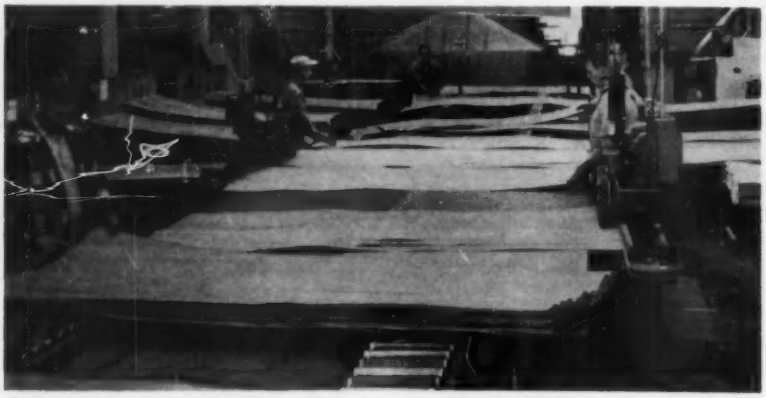
The only hand operation in the cycle is the inserting of veneer into the charger. ■■

Automatic Edge Taping of Hardwood Veneer

The taping of the edges of hardwood veneer to avoid splits and pull together edge tears, is done automatically at Multi-Use Panel Co., Eugene, Ore. Master mechanic Ivan Rothrock came up with a highly efficient unit to work right in the grading line.

End splits of veneers have always been a problem, and especially on hardwood face stock. As the veneer runs along the grading table it passes through the end taper which lays down a strip of Crown Flash-Tite gummed tape, smoothly and evenly.

The thin edges of the lauan veneer at Multi-Use is thus secured against splitting.



Automatic end taper. Close-up at left shows horizontal running belt at table edge that feeds veneer evenly. Tape is laid in between pressure of the two top-belted wheels and similar wheels below the veneer. At right is view of grading table and the two end tapers, one on either side of the table, in alternate position so the veneer can be taped at both ends while moving in line. Minor defects are handled by the filling machine. ■■

THE Lumberman
THE Timberman
HANDBOOK
and
DIRECTORY
of the
Forest Industries
1960 · · 41st ANNUAL EDITION
VITAL TO THOSE WHO BUY OR SELL TO THE FOREST INDUSTRIES
The only Forest Industry Directory that lists logging firms, logging contractors, sawmills, planing mills, plywood and veneer plants, board plants, woodworking plants, wood preserving plants in all the major forest producing areas of the United States—East, South, West and the Lake States, Canada, and the Philippines. The additional statistical and reference data on the industry combine to make this Handbook and Directory a priceless possession for operators and those selling this vast basic resource market.
READY NOW!
ORDER YOUR COPY FOR 10-DAY FREE EXAMINATION
MORE THAN 525 PAGES
20,000 NAMED POSITIONS
OVER 16,000 FIRMS LISTED

Table of Contents

- Board Manufacturers
- Box Factory Listings
- Door Manufacturers–Stock Doors
- Forest Industries Associations
- Forest Products Buyers Guide
- General Index to Mills and Logging Camps
- Logging Contractors
- Plywood and Veneer Plant Listings
- Sawmill and Logging Camp Listings (by States)
- Sawmill Top Producers
- Shake Producers
- Shingle Mill Listings
- Statistical Data and Charts
- U. S. Forest Service
- Wholesale Lumber Dealers and Exporters
- Wood Preservation Plants
- Woodworking Section

Price: $17 postpaid

You may examine a copy of this big book for 10 days FREE!

The LUMBERMAN & The TIMBERMAN
500 Howard Street • San Francisco 5, California
• Circulation Department

Send.....copies of the 1960 Handbook & Directory of the Forest Industries. After 10 days we will remit on your invoice at $17 per copy* or return the book.

firm name

to the attention of

address

city zone state*

☐ *Check here if you send payment in advance. Same return privilege.*

* *(California residents add 68c sales tax)*

Directory of PLYWOOD and VENEER PRODUCTS

WESTERN PLYWOOD PLANTS

ALBERTA, CAN.

THE NORTHERN PLYWOODS, LTD.

Box 489, Grande Prairie, Alberta, Can.
PERSONNEL: J. R. Bickell, pres.; K. Crick, plant supt.; B. W. Dawson, sec.-treas.
SALES AGENTS AND BRANCHES: Canadian Forest Products, Ltd., New Westminster, B. C.—National Distributors.

WESTERN PLYWOOD (Alberta) LTD.

Edmonton, Alberta.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 27,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 24,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 66x108 in.
PERSONNEL: John G. Bene, pres.; J. D. McCarthy, gen. prod. mgr.; Geoffrey H. Tullidge, sls. mgr.; Frank Hahn, area mgr.; Wilfred Mann, plant supt.

ZEIDLER PLYWOOD CORP., LTD.

9923-65 Ave., Edmonton, Alberta.
ANNUAL CAPACITY: 16,500,000 sq. ft. (1/4-in. basis) plywood. Estimated production for 1959, 16,500,000 sq. ft. Species: white poplar; spruce.
PERSONNEL: W. R. Zeidler, pres.; K. Rueger, plant mgr. & supt.; K. Wenner, sales mgr.
SALES AGENTS AND BRANCHES: W. R. Zeidler Ltd.; Hetherington Lumber; Primco Western Ltd.

BRITISH COLUMBIA

BRITISH COLUMBIA FOREST PRODUCTS LTD.

Plant Address: 371 Gorge Road, P. O. Box 310, Victoria, B. C.
Home Address: 995 West 6th Ave., Vancouver 9, B. C.
Telephone: Evergreen 5-3331 (Victoria).
ANNUAL CAPACITY: 1959 estimated production (3/8-inch basis) 84,128,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels, Beachcomber, 49,000 sq. ft.; Texture One Eleven, Trendwall, 140,000 sq. ft.; scarfed panels, 102,000 sq. ft.; Silvacord, 170,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 3; hot presses 2; maximum press size 8 ft.
PERSONNEL: C. D. Dickey, Jr., pres.; W. H. Pumfrey, sales mgr.; C. W. Potter, plant supt.; D. E. Lane, gen. mgr.; R. Humphrey, plant mgr.
SALES AGENTS AND BRANCHES: MacMillan & Bloedel Limited, 1199 West Pender St., Vancouver 1, B. C.

CANADIAN COLLIERIES RESOURCES LTD.—Timber Plywood Div.

Plant Address: P. O. Box 700, New Westminster, B. C.
Home Address: 566 Hornby St., Vancouver, B. C.
Telephone: Lakeview 1-7767.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 56,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 52,000,000 sq. ft. Species: 50,000,000 sq. ft. Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 48x96 in.
PERSONNEL: N. R. Whittall, pres.; A. H. Pastro, sales mgr.; J. Shick, plant supt.; W. G. Flavelle, vice-pres. sales; H. A. Lester, plant mgr.

CANADIAN FOREST PRODUCTS LTD.

Plant Address: Ft. of Braid St., New Westminster, B. C.
Home Address: 999 W. Pender St., Vancouver, B. C.
Telephone: LA 1-9656. Teletype: 036-2427.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 170,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 170,000,000 sq. ft. Species: 148,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven, Ranch Wall; ShanTong, Shadow Wood, Driftwood, Brushed panels; striated panels; scarfed panels; hardboard faced.
EQUIPMENT: Number of Lathes 4; dryers 7; hot presses 5; maximum press size 5x10 ft.
PERSONNEL: J. G. Prentice, pres. & gen. mgr.; W. E. Burns, sls. mgr.; D. M. Zilm, plant supt.

CROWN ZELLERBACH CANADA LTD.

Plant Address: Fraser Mills, B. C.
Home Address: 1030 W. Georgia St., Vancouver 5, B. C.
Telephone: MU 4-9464.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 90,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 72,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays: 1,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 5; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: G. H. Gallaway, pres.; R. C. McMillan, sales mgr.; Harold Davy, plant supt. (plywood); D. R. Schmidt, gen. mgr.; A. C. Ewart, plant mgr.

EVANS PRODUCTS CO. LTD.

Plant Address: Vancouver, B. C.
Home Address: Foot of Main St., South, Vancouver 15, B. C.
Telephone: Fairfax 7-1131.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1, dryers 2; hot press 1; maximum press size 20 opening.
PERSONNEL: E. S. Evans, Jr., pres.; C. J. Short, vice-pres., gen. mgr.; W. J. Ritchie, sales mgr.; Ralph Cole, plant supt.; R. G. Extra, asst. sales mgr.; Gordon McKay, plant mgr.

MacMILLAN & BLOEDEL, LTD. Alberni Plywood Div.

Plant Address: Port Alberni, B. C.
Home Address: 1199 West Pender St., Vancouver 1, B. C.
Telephone: Port Alberni 807. Teletype: Harmac (H. O. Vancouver).
ANNUAL CAPACITY: (3/8-inch, 3-ply) 125,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 105,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels 150,000 sq. ft.; scarfed panels 1,075,000 sq. ft.; cut up items 250,000 sq. ft.; other products 1,025,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 5; hot presses 3; maximum press size 5x10 ft.
PERSONNEL: R. M. Shaw, pres.; I. S. Brand, gen. mgr.; G. D. E. Hay, sls. mgr.; W. M. Drew, plant supt.; C. T. Robertson, plant mgr.
SALES AGENTS AND BRANCHES: MacMillan & Bloedel Sls. Ltd., Vancouver, B. C.; Branches: Edmonton & Calgary, Alberta; Winnipeg, Manitoba, Islington, London, Windsor and Ottawa, Ontario; Montreal, Quebec; Rimouski, Quebec; Regina, Sask.; New York, U.S.A.; London, England; Sydney, Australia.

MacMILLAN & BLOEDEL, LTD. Vancouver Plywood Division

Two plants: Foot of Cromwell St., Postal Station A, P. O. Box 340, Vancouver, B. C.
Home Office: 1199 West Pender St., Vancouver, B. C.
Phone: Hemlock 1-1481.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 215,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays; scarfed panels; Mono-door; pressed-wood fuel; specialty panels.
EQUIPMENT: 4 lathes, 11 dryers, 1 cold press, 6 hot presses.
PERSONNEL: R. M. Shaw, pres.; H. D. Dagg, gen. mgr.; G. D. E. Hay, sls. mgr.; A. McAloney, plant mgr.; J. E. Young, plant supt.

J. R. MURRAY, LTD.

Vancouver, B. C.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays: 1,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 2; hot presses 3; maximum press size 54x108 in.
PERSONNEL: John G. Bene, pres.; J. D. McCarthy, gen. prod. mgr.; Geoffrey H. Tullidge, sls. mgr.; Ralph Douglas, plant supt.; James Douglas, area mgr.

RICHMOND PLYWOOD CORP.

1390 Vulcan Way, Richmond, B. C.
Telephone: CR 8-5168.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: G. C. Miller, pres.; H. E. Manning, sls. mgr.; J. Ellison, plant supt.; E. W. Maw, gen. mgr.
SALES AGENTS AND BRANCHES: Trans-American Plywood Sales Ltd.

S & K LIMITED, Plywood Division

P. O. Box 390, Kelowna, B. C.
Telephone: Poplar 2-4500.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 38,500,000 sq. ft. Species: 21,000,000 sq. ft. Douglas fir; 6,500,000 sq. ft. ponderosa; 11,000,000 sq. ft. spruce.
EQUIPMENT: Lathes 2; dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: G. Rice, plant supt.; Wm. P. Crooks, plant mgr.
SALES AGENTS AND BRANCHES: S. M. Simpson, Ltd., McMillan & Bloedel, Ltd.

SAVONA TIMBER CO., LTD.

Plant Address: Savona, B. C.
Home Address: 475 Howe St., Vancouver, B. C.
Telephone: Mutual 2-2891. Teletype: 036 2366.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 15,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 4,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; cold press 1; maximum press size 48x96 in.
PERSONNEL: M. D. B. King, pres. & gen. mgr.; Lloyd Huff, sls. mgr.; A. A. Thompson, plant mgr.

SOOKE LAKE LUMBER LTD.

Esquimalt Harbour, Victoria, B. C.
Telephone: EV 2-8241.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 80,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 68,000,000 sq. ft. Species Douglas fir.
SPECIAL PRODUCTS: Clear face panels & cupboard door stock.
EQUIPMENT: Lathe 1; dryers 2; hot presses 2; maximum press size 50x100 in.
PERSONNEL: N. D. Cameron, pres. & gen. mgr.; A. Hendry, sls. & plant mgr.; R. Reay, plant supt.
SALES AGENTS AND BRANCHES: Export Sales: Seaboard Lumber Sales Co., Ltd.; Canadian Sales; Pacific Veneer.

WESTERN PLYWOOD CO., LTD. (Cariboo)

Quesnel, B. C.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 42,000,000 sq. ft. Species: 38,000,000 sq. ft. Douglas fir; 4,000,000 sq. ft. white pine.
EQUIPMENT: Lathes 2; dryers 2; hot press 1; maximum press size 66x108 in.
PERSONNEL: John G. Bene, pres.; J. D. McCarthy, gen. prod. mgr.; Geoffrey H. Tullidge, sls. mgr.; Don McColl, area mgr.; Tony Magnuson, plant supt.

WESTERN PLYWOOD CO.

900 East Kent Ave., Vancouver 15, B. C.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 20,000,000 sq. ft. Douglas fir; 28,000,000 sq. ft. cottonwood.
SPECIAL PRODUCTS: Plastic or paper overlays: 1,000,000 sq. ft.
EQUIPMENT: Lathes 2; slicer 1; dryers 2; hot presses 2; maximum press size 58x106 in.

Talk about Cost Cutting!

Diamond Lumber Company pioneers a new method of Floor Construction!

DFPA TESTED QUALITY

T&G 2-4-1

Now Available for Immediate Delivery

Tongue & Groove 2-4-1 gives *tightest, strongest* floor at savings up to $100 per M

Tongue & Groove 2-4-1 is an entirely new high-quality flooring system. Developed by Diamond especially for pre-fab, it is a "natural" for almost any kind of construction. It has been thoroughly tested in the laboratory and in the field by DFPA. And it has *proved* itself as a tough (taking concentrated loads up to 1500 pounds), cost-cutting flooring. Best of all, it is now available for immediate delivery from Diamond, the firm that pioneered it!

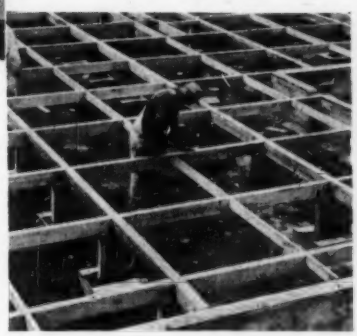
▲ **NEW METHOD**

pioneered by Diamond Lumber. NO FOUR-FOOT CROSS MEMBERS! Diamond's tight tongue and groove produces a quality floor that is like a solid piece of plywood.

OLD METHOD ▶

MUST have four-foot cross members! Four-foot cross members are required to support the edges of old-method 2-4-1.

▲ Basement ceilings in T & G 2-4-1 look clean, eliminate the old "cobwebby" appearance. Decorative veneers, such as knotty pine or mahogany, can now be ordered laminated to the underside of Diamond T & G 2-4-1



what this means to you

1. **Lower installation costs than *any other* floor system!**
2. **Completely eliminates need for blocking!**
3. **Sharp reduction in materials needed!**
4. **No waste! (1000 sq. ft. of plywood now covers 1000 sq. ft. of floor.)**
5. **No sheathing needed for wall-to-wall carpeting, floor tile or hardwood flooring!**
6. **No shrinkage, buckling or squeaky floors!**
7. **A clean, uncluttered ceiling effect where used in basement or 2-story construction!**

For full details contact your local jobber or write or call

DIAMOND LUMBER COMPANY

323 PITTOCK BLOCK • PORTLAND 5, OREGON

Phone: CApitol 2-9805 • TWX PD 499

LEADING PLYWOOD
DISTRIBUTORS
of the UNITED STATES

Central
BUILDING
SUPPLY, INC.

BALTIMORE
WASHINGTON

General Offices: Baltimore 2, Md.

TWX — BA 446

27 Years
Plywood Experience

MIDWEST
HARDWOOD FLOORING
& PLYWOOD CO.
WHOLESALE DISTRIBUTORS

906 ELM ST., DES MOINES 9, IOWA
PHONE AT 8-3234

- Fir Plywood
- Hardwood Plywood
- Fir Dimension Lumber
- Oak & Maple Flooring
- Redwood
- Mfg. Mah. Millwork

PERSONNEL: John G. Bene, pres.; J. D. McCarthy, gen prod. mgr.; Geoffrey H. Tullidge, sls. mgr.; J. Douglas; area mgr.; Ralph Douglas, plant supt.

CALIFORNIA

ARCATA PLYWOOD CORP.
P. O. Box 427, Arcata, Calif.
Telephone: VAndyke 2-0335. Teletype: ARC 94.
ANNUAL CAPACITY: (3/8-inch, 3 ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: 100% Douglas fir.
EQUIPMENT: Lathes 2; dryers 4; cold press 1; hot press 1; maximum press size 48x120 in.
PERSONNEL: A. Rochlin, pres.; Larry Rochlin, vice-pres., gen. mgr.; E. W. Strauser, sls. mgr.; J. S. Berg, plant supt.

BIRCHWOOD INC.
3620 Fruitland Ave., Maywood, Calif.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 400,000 sq. ft. Species: 40,000 sq. ft. Philippine mahogany; 50,000 sq. ft. maple; 200,000 sq. ft birch; 20,000 sq. ft. gum; 10,000 sq. ft. oak; 250,000 sq. ft. walnut.
SPECIAL PRODUCTS: Curved plywood and cupboard doors.
EQUIPMENT: Hot press 1; maximum press size 4x6 ft.
PERSONNEL: Dale Kellogg, pres.; Alan McRoberts, plant supt.

CAROLINA CALIFORNIA PLYWOOD
Plant Address: P. O. Box 98, Salyer, Calif.
Home Address: P. O. Box 945, Medford, Ore.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft.; 1959 estimated production (3/8-inch basis) 32,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: 2 lathes, 1 dryer; 1 cold press; maximum press size 48x96 in.
PERSONNEL: B. D. Mitchell, pres.; Roy Smith, plant supt.; H. R. Blacketor, prod. mgr.
SALES AGENTS: Carolina Pacific Sales, Wilmington, N. C.; Corbett Plywood Corp., Wilmington, N. C.; North Robbins Plywood, Inc., Seattle, Wash.

CLOVERDALE PLYWOOD CO.
P. O. Box 95, Cloverdale, Calif.
Telephone: TW 4-3387. Teletype: TWX-76.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 54,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryer 1; hot press 1; maximum press size 5x10 ft.
PERSONNEL: Norman Davidson, Jr., pres.; Richard J. Ranft, sls. mgr.; Andrew T. Nelson, gen. mgr.; Harry Unger, plant supt.; G. A. Gustafson, plant mgr.

DURABLE FIR LUMBER & PLYWOOD CO.
P. O. Box 114, Calpella, Calif.
Telephone: Homestead 2-2981.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 51,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Henry N. Anderson, pres.; Sam K. Arness, gen. mgr.; Rolf Stoleson, sls. mgr.; Henry Wolny, plant supt.

DURABLE PLYWOOD CO.
P. O. Box 605, Arcata, Calif.
Telephone: Van Dyke 2-0381.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 54,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven 240,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: H. Anderson, pres.; Charles H. Thompson, gen. mgr.; Rolf Stoleson, sls. mgr.; Jack McCracken, plant supt.
SALES AGENTS AND BRANCHES: Durable Plywood Sales, 1618 El Camino Real, Menlo Park, Calif.

FORTUNA VENEER CO.
Plant Address: Fortuna, Calif.
Home Address: P. O. Box 427, Arcata, Calif.
Telephone: VAndyke 2-0335. Teletype: Arcata 94.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 90,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 70,000,000 sq. ft. Species: 100% Douglas fir.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 48x96 in.
PERSONNEL: Larry Rochlin, gen. mgr.; E. W. Strauser, sls. mgr.; Walter Swartz, plant mgr.

GEORGIA PACIFIC CORP.
Plant Address: Samoa, Calif.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: Hillside 2-3715. Teletype: EK 93.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 143,000,000 sq. ft.
SPECIAL PRODUCTS: 2.4.1 panels.
EQUIPMENT: Lathes 3; dryers 3; cold presses 2, hot presses 2; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; W. H. Hunt, vice pres. sls.; F. V. Langfitt, Jr., sls. mgr.; Jens Jorgenson, gen. mgr.; Vance Vollmer, plant mgr.

HAMPTON PLYWOOD CO.
Plant Address: P. O. Box 572, Scotia, Calif.
Home Address: 407 Terminal Sales Bldg., Portland 5, Ore.
Telephone: Pepperwood 2801. Teletype: Pepperwood Cal. 18.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 40,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Exterior concrete form.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: L. M. Hampton, pres.; Joe A. Price, gen. mgr.; J. C. Zalaha, sls. mgr.; Spike Sarvensky, plant supt.
SALES AGENTS AND BRANCHES: Hampton Lumber Sales Co., 407 Terminal Sls. Bldg., Portland, Oregon.

INDUSTRIAL PLYWOOD CORP.
P. O. Box 397, Willits, Calif.
Telephone: Globe 9-5588
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50/55,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: 2.4.1 panels 2,000,000 sq. ft.
EQUIPMENT: Lathe 1; slicer 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: C. J. Fairhurst, pres.; Jack Fairhurst, gen. mgr.; E. H. Bacon, sls. mgr.; Oscar Eklund, plant mgr.; Cotton Freeman, plant supt.
SALES AGENTS AND BRANCHES: Fairhurst Plywood Sls. Co., 2144 4th St. (P. O. Box 569), San Rafael, Calif.

INTERNATIONAL PAPER CO., Long-Bell Div.
Plant Address: Weed, Calif. (Ph. Yellowstone 8-4441).
Home Address: Longview, Wash.
Telephone: HA 3-2110. Teletype: 375.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 33,000,000 sq. ft. Douglas fir; 15,000,000 sq. ft. ponderosa and white pine.
SPECIAL PRODUCTS: Knotty pine 1,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: J. D. Leland, vice pres.; H. G. Kel-

LUMBER
PLYWOOD
FIR-BIRCH
LUMBER
PLYWOOD
PINE-LAUAN
LUMBER
PLYWOOD
CONCRETE
FORM
LUMBER
PLYWOOD
MIRAPLY
LUMBER
PLYWOOD
REDWOOD
LUMBER
PLYWOOD
PARTICLE
BOARD

ST 6-2800

AMERICAN LUMBER CO.
EST. 1918 INC.

EXEC. OFFICES: 25-45 BORDEN AVE., LONG ISLAND CITY
WAREHOUSES: LONG ISLAND CITY • B'KLYN •
FARMINGDALE • CHELSEA, N. Y.

we have it in Your quantity

OVER 5,000,000 Ft. OF LUMBER & PLYWOOD IN STOCK
ONE OF THE LARGEST DISTRIBUTORS OF IMPORTED
AND DOMESTIC LUMBER AND PLYWOOD IN THE EAST

DIRECT CARLOAD SHIPMENTS FROM OUR MILLS

sey, gen. mgr. Western operations; O. D. Harrington, gen. sls. mgr.; J. Mantle, br. mgr.; J. H. Dohrn, plant supt.; F. L. Foval, asst. gen. sls. mgr.; F. N. McCullah-W. C. Ring, plywood sls.
SALES AGENTS AND BRANCHES: International Paper Co., Long-Bell Div., sls. offices in all major cities.

INTERSTATE CONTAINER CORP.

Plant Address: Lay Ave., So., Red Bluff, Calif.
Home Address: P. O. Box 790, Red Bluff, Calif.
Telephone: Lawrence 7-4343. Teletype: RDBF 009.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 45,000,000 sq. ft. Species: 35,000,000 sq. ft. Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; cold press 1; maximum press size 48x96 in.
PERSONNEL: Wm. D. Schwab, pres. & gen. mgr.; Keith B. Smith, sls. mgr.; Steve C. Franko, plant mgr.; Bud Stout, plant supt.
SALES AGENTS AND BRANCHES: Interstate Plywood Sales Co., P. O. Box 670, Grants Pass, Ore.

KVV CALIF. MILLS, INC.

Plant Address: Box 217, Cloverdale, Calif.
Home Address: Flood Bldg., 870 Market St., San Francisco, Calif.
Telephone: Exbrook 7-1820. Teletype: SF 891.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 17,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Robert N. Kelly, pres.; Jack Harmon, operations gen. mgr.; Jerry Griffin, sls. mgr.; Wayne Humphrey, plant mgr.
SALES AGENTS AND BRANCHES: Kelly Van Vleet Inc., Flood Bldg., 870 Market St., San Francisco, Calif.

LUND PLYWOOD & MANUFACTURING CO.

New No. 101 Highway, Box 146, Crescent City, Calif.
Telephone: Ingersoll 4-3011.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT: 2 dryers, 1 cold press, 1 hot press.
PERSONNEL: Axel I. Lund, pres. & sls. mgr.; Frank Helland, plant supt.

NORTHERN CALIFORNIA PLYWOOD INC.

P. O. Box 337, Crescent City, Calif.
Telephone: Ingersoll 4-4131. Teletype: 433.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,240,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels 100,000 sq. ft.; 2.4.1 panels 300,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Wayne S. McClaflin, pres.; A. B. Burdick, gen. mgr. & sls. mgr.; Arnold Anderson, plant supt.
SALES AGENTS AND BRANCHES: North-Robbins Plywood, Inc., 400 Boren Ave. No., Seattle, Wash.

OROPLY CORP.

Plant Address: Kusel Road, Oroville, Calif.
Home Address: P. O. Box 111, Oroville, Calif.
Telephone: Lenox 3-7440. Teletype: OVL 283.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 42,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 39,000,000 sq. ft. Species: 33,000,000 sq. ft. Douglas fir; 6,000,000 sq. ft. white fir.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: L. D. Ohlson, pres.; A. F. Tomlinson, plant supt.; E. W. Hays, gen. & plant mgr.; R. J. Slagle, master mech.
SALES AGENTS AND BRANCHES: Dant & Warnock, Inc., Menlo Park, Calif.

THE PACIFIC COAST CO

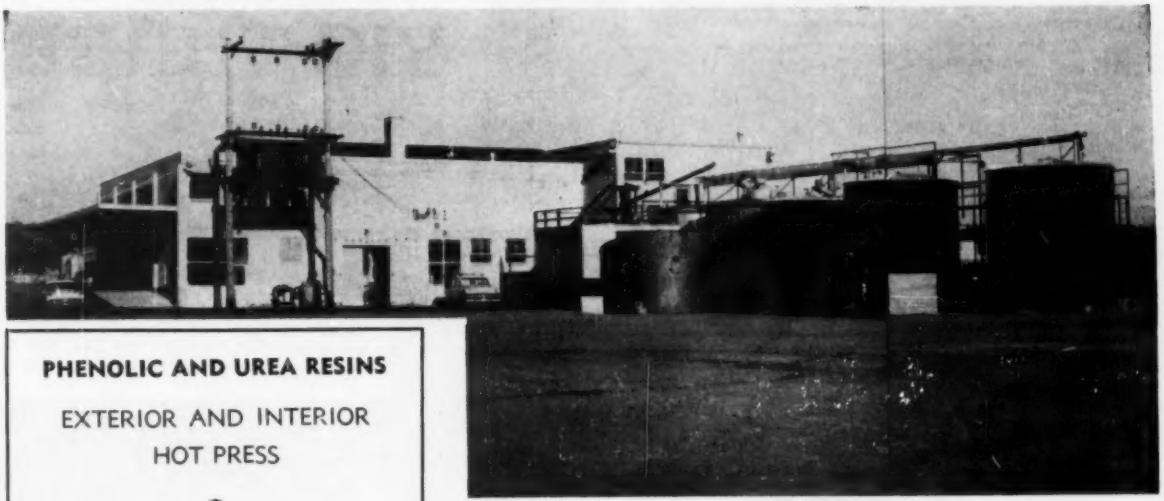
P. O. Box 8, Sonoma, Calif.
Telephone: Webster 8-5564.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 42,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,500,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven 150,000 sq. ft.; 2.4.1. panels 100,000 sq. ft.
EQUIPMENT: Dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Hugh J. Jacks, pres.; A. W. Agnew, vice pres. & gen. mgr.; George A. Cramer, plant supt.; Geo. W. Karlson, plant mgr.; Stanley C. Prossor, asst. to gen. mgr.
SALES AGENTS AND BRANCHES: U. S. Plywood Corp.

WOODWELD — WOODWELD — WOODWELD — WOODWELD — WOODWELD — WOODWELD

DEPENDABLE PLYWOOD ADHESIVES

Since 1929

WOODWELD ADHESIVES



PHENOLIC AND UREA RESINS

EXTERIOR AND INTERIOR
HOT PRESS

•

BLOOD AND SOYBEAN

INTERIOR
HOT AND COLD PRESS

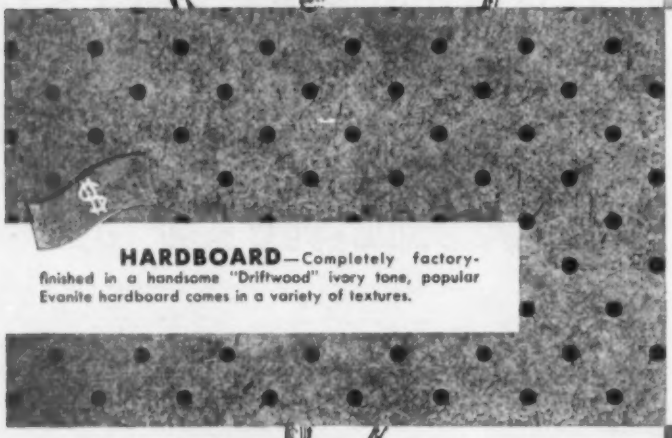
BALFOUR, GUTHRIE & CO., Limited

CHEMICAL DIVISION

Plants and laboratories: TACOMA, WASHINGTON

WOODWELD — WOODWELD — WOODWELD — WOODWELD — WOODWELD — WOODWELD

FIR PLYWOOD—Evans quality—DFPA grade-marked—assures you of the finest interior and exterior fir plywood. Evans is a member of the Douglas Fir Plywood Assoc.



HARDBOARD—Completely factory-finished in a handsome "Driftwood" ivory tone, popular Evanite hardboard comes in a variety of textures.

The next best thing to a Money Tree . . .

EVANITE® BIG THREE

PLYWALL—All wood panels . . . popular grains at half the usual cost of fine wood paneling. Baked-on Poly-Clad finish protects against fading, mars, scuffs and stains.

IT PAYS TO BUY FROM YOUR JOBBER!

EVANS PRODUCTS COMPANY
PLYMOUTH, MICH.

SALES OFFICES:
CHICAGO, ILL.
TAMPA, FLA.
COOS BAY, ORE.
ANAHEIM, CALIF.

PICKERING LUMBER CORP.
Under Construction—Operating about April 1, 1960
Standard, Calif.
Telephone: JE 2-7141.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. Species: White fir.
EQUIPMENT: Lathe 1; dryers 2; hot press 1.
PERSONNEL: F. F. Momyer, pres. & gen. mgr.; Watt Skinner, sls. mgr.; Waldemar Holmberg, plant mgr.

PLYWOOD CORP. OF AMERICA
8410 Amelia Street, Oakland, Calif.
Telephone: LO 9-0261.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 18,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 15,000,000 sq. ft. Species: 18,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven 200,000 sq. ft.; 2.4.1 panels 500,000 sq. ft.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 4x8 ft.
PERSONNEL: Wally Bushberg, pres.; Norman Bushberg, gen. mgr.; Henry Cohen, sls. mgr.; Leonard Lane, office mgr.; Clifford Kirk, plant supt.

PLYWOOD MFG. CO. OF CALIF. INC.
2201 Dominquez, Torrance, Calif.
Telephone: Fairfax 8-7986. Teletype: Tnc 5284.
ANNUAL CAPACITY (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 24,000,000 sq. ft. Douglas fir; 24,000,000 sq. ft. birch.
SPECIAL PRODUCTS: Hardwood faced panels 24,000,000 sq. ft.
EQUIPMENT: Cold press 1, hot press 1; maximum press size 48x96 in.
PERSONNEL: A. Rochlin, pres. & gen. mgr.; J. Rathaus, sls. mgr.; B. Feigan, plant mgr.

RODDISCRAFT, INC.
Arcata, Calif.
Telephone: VA 2-3631. Teletype: ARC 57.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: 50,000,000 sq. ft. Douglas fir; 345,000 sq. ft. Philippine mahogany; 1,280,000 sq. ft. birch; 125,000 sq. ft. walnut; 165,000 sq. ft. oak; 48,000 sq. ft. other species.
SPECIAL PRODUCTS: Brushed panels 300,000 sq. ft.; striated panels 900,000 sq. ft.; Texture One Eleven 1,425,000 sq. ft.; embossed 500,000 sq. ft.; cut-up items 1,200,000 sq. ft.
EQUIPMENT: Lathes 3; slicer 1; dryers 3; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: C. H. Blanchar, pres.; R. L. Rinde, sls. mgr.; F. A. Bailey, plant supt.; Kirk R. Cooper, gen. mgr.; Donald O. Dahlen, plant mgr.

SIMPSON REDWOOD CO.
Eureka Plywood Div.
Plant Address: Eureka, Calif.
Telephone: Hillside 3-4591. Teletype: EK 64.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: 56,000,000 sq. ft. Douglas fir; 4,000,000 sq. ft. redwood.
SPECIAL PRODUCTS: Brushed panels; striated panels; Texture One Eleven; scarfed panels; 2.4.1 panels; sliced veneer panels.
EQUIPMENT: Lathe 1; slicer 1; dryers 3; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: Gordon Manary, vice pres.; G. L. Oswald, gen. mgr.; R. H. Fletcher, sls. mgr.; J. E. Elliott, plant mgr.; Ivan Vrooman, plant supt.

STANDARD VENEER & TIMBER CO.
North Crest Drive, Crescent City, Calif.
Telephone: Ingersoll 4-3154. Teletype: 773.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Hardwood faced panels 600,000 sq. ft.; 2.4.1 panels 750,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: E. N. Baisler, pres.; Frank Hendricks, gen. & sls. mgr.; Ellsworth Klein, plant supt.
SALES AGENTS AND BRANCHES: Simpson Logging Co.

SUNSET PLYWOOD CO.
6067 District Blvd., Los Angeles, Calif.
Telephone: LU 8-3118.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 23,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: 500,000 sq. ft. hardwood faced panels; 750,000 sq. ft. 2.4.1 panels.
EQUIPMENT: 1 cold press; 1 hot press; maximum press size 48x96 in.
PERSONNEL: F. L. Freeman, pres.; Frank Lybeck, plant supt.

TRI-STATE PLYWOOD CO.
630 Martin Ave., Santa Clara, Calif.
Telephone: Cherry 3-4010.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1, cold press 1; maximum press size 4x8 ft.
PERSONNEL: Victor Olson, pres.; S. R. Black, gen. mgr.; Gladys M. Fordney, sls. mgr.; Arthur Olson, plant supt.

TYRE PLYWOOD MFG. CO.
328 S. Date Ave., Alhambra, Calif.
ANNUAL CAPACITY: 1,000,000 sq. ft.
PRODUCTS: Furniture, stock, architectural.
PERSONNEL: Morris Tyre, pres.; Wold Gordon, gen. mgr.

UNITED STATES PLYWOOD CORP.,
Calif. Div., Mutual Operations
(formerly Mutual Plywood Corp.)
Plant Address: P. O. Box 18, Eureka, Calif.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Hillside 2-6487. Teletype EK 79.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 100,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 95,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Striated panels, Weldtex, 2,200,000 sq. ft.
EQUIPMENT: Lathes 2, slicer 1, dryers 3; hot presses 3; maximum press size 5x10 ft.
PERSONNEL: S. W. Antoville, chmn. of the bd.; Gene C. Brewer, pres.; Howard B. Garrison, gen. mgr.; George W. Christ, plant supt.; George E. Johnson, sls. mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses-nationwide-U. S. & Canada.

Douglas Fir PLYWOOD

Interior and Exterior Grades

Centralia Plywood, Inc.

P. O. Box 449 • Centralia: Pershing 6-7631

Teletype: CW 85

CENTRALIA, WASHINGTON

Member of Douglas Fir Plywood Assn.

SALES TO QUALIFIED JOBBERS ONLY

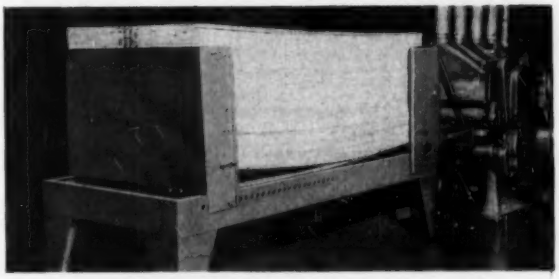
Sales Agents

FIDDES-MOORE & CO.

604 Executive Bldg. Portland, Oregon

Phone: CApitol 6-3277 Teletype PD 775

CUT YOUR PANEL SANDING COST



Advanced Cardwell Automatic Feeder loads from the top, feeds non-stop!

Here's cost-cutting automation without complication. Cardwell harnesses gravity and friction to provide your panel sander a continuous, automatic feed . . . with no pit, no air or hydraulic connections, no complex adjustments. Virtually ALL stuck panels break loose cleanly, without risk of damage from rakes or pushers. Sets in 2 minutes for any panel length or thickness. Loads from the top by fork lift with no stopping. AND you save 50% in first cost! Write for facts.

The CARDWELL MACHINE COMPANY

Quality A CARDWELL TRADITION SINCE 1829

Franklin at 19th St. • Richmond 11, Virginia Telephone Milton 4-4593

UNITED STATES PLYWOOD CORP., Calif. Div., Shasta Operations

Plant Address: Anderson, Calif.
Mail Address: P. O. Box 1688, Redding, Calif.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Emerson 5-7631. Teletype: 018-U.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: 1,200,000 sq. ft. Douglas fir; 29,000,000 sq. ft. sugar and ponderosa; 5,800,000 sq. ft. white fir.
SPECIAL PRODUCTS: Brushed panels 3,000,000 sq. ft.; pre-finished & brushed 2,800,000 sq. ft.; hardboard faced 1,200,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; hot presses 2; maximum press size 4x10 ft.
PERSONNEL: S. W. Antoville, chmn. of the bd.; Gene C. Brewer, pres.; K. L. Morrow, gen. mgr.; Calif. div.; Lou Boudreau, sls. mgr.; W. E. Marander, plant mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses-nationwide-U. S. & Canada.

WILLAMETTE SHEATHING CORP.

Box 626, Arcata, Calif.
Telephone: VA 2-2404. Teletype: ARC 54.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 42,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 14,500,000 sq. ft. (started operations July 27, 1959).
EQUIPMENT: Dryer 1; cold press 1; maximum press size 48x96 in.
PERSONNEL: Forrest C. Dean, gen. mgr.; Joseph F. Hedge, office mgr.

WINTON LBR. CO.

Plant Address: Martell, Calif.
Home Address: 3100 W. Lake St., Minneapolis, Minn.
Telephone: Jackson, Calif. 1160. Teletype: JK 152.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 20,000,000 sq. ft. Species: 15,000,000 sq. ft. Douglas fir; 35,000,000 sq. ft. white fir.
EQUIPMENT: Lathe 1; dryers 2; hot presses 2; maximum press size 48x96 in.
PERSONNEL: D. J. Winton, pres.; J. T. Rushton, gen. mgr.; J. F. Shiely, sls. mgr.; G. G. White, plant supt.
SALES AGENTS AND BRANCHES: Winton Lbr. Sls. Co., 3100 W. Lake St., Minneapolis, Minn.

IDAHO

PAYETTE PLYWOOD CORP.

Payette, Idaho.
(Under Construction.)

POTLATCH FORESTS, INC.

Lewiston, Idaho.
Telephone: Sherwood 3-4561. Teletype: LE 92.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 20,000,000 sq. ft. Species: 6,600,000 sq. ft. ponderosa; 10,000,000 sq. ft. white pine; 3,400,000 sq. ft. other species.
EQUIPMENT: Lathe 1; slicers 2; dryers 2; cold press 1; maximum press size 48x96 in.
PERSONNEL: Robert E. Bundy, pres.; C. J. Johnson, sls. mgr.; Cart Twietmeyer, plant supt.; Lawrence Bashore, plant mgr.
SALES AGENTS AND BRANCHES: Weyerhaeuser Sales Company, First National Bank Bldg., St. Paul 1, Minn.

MONTANA

CASCADES PLYWOOD CORP.
Polson Div.
(formerly Polson Plywood Co.)

Polson, Mont.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 12,000,000 sq. ft. Species: 10,000,000 sq. ft. larch; 2,000,000 sq. ft. misc.
PERSONNEL: C. W. Fox, pres.; B. V. Hancock, sls. mgr.; Will Tiddy, gen. mgr.

VAN-EVAN CO.
(To be completed about May 1960)

Plant Address: Missoula, Mont.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. Species: 3,000,000 sq. ft. Douglas fir; 18,000,000 sq. ft. ponderosa; 3,000,000 sq ft. white pine; 36,000,000 sq. ft. larch.
EQUIPMENT: Lathe 1; dryer 1; hot presses 2;
PERSONNEL: Frost Snyder, pres.; E. S. Evans, Jr., exec. vice pres.; D. I. Plummer, vice pres. & gen. mgr.; Emory Moore, sec.; W. W. Kilworth, vice pres. & treas.
SALES AGENTS AND BRANCHES: Vancouver Plywood Co.; Evans Products Co.

OREGON

ASTORIA PLYWOOD CORP.

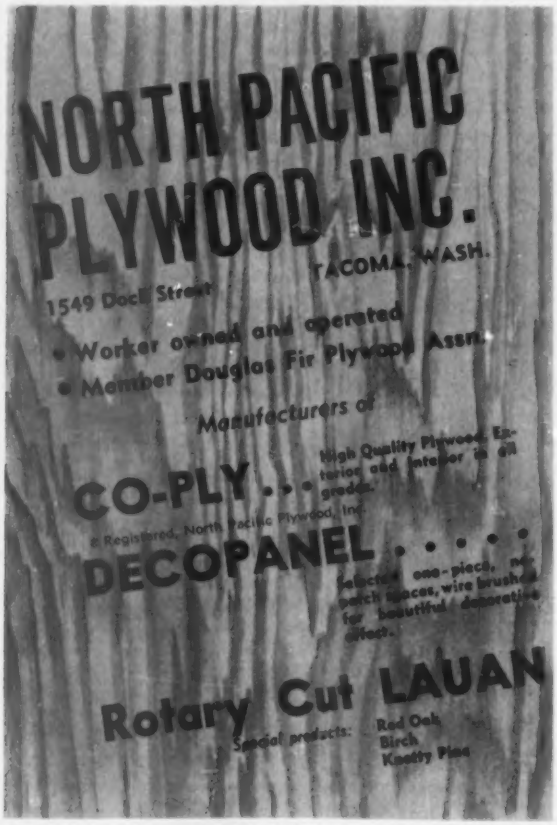
Plant Address: 24th & Franklin Ave., Astoria, Ore.
Home Address: 409 23rd St., Astoria, Ore.
Telephone: FA 5-6021. Teletype: Astoria, Ore. 453.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 54,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 53,000,000 sq. ft. Species: 41,870,000 sq. ft. Douglas fir; 2,120,000 sq. ft. white pine; 8,480,000 sq. ft. spruce; 530,000 sq. ft. Philippine mahogany.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: H. R. Thomasson, pres.; Fred J. Peirson, sls. & gen. mgr.; Arley Kangas, plant supt.
SALES AGENTS AND BRANCHES: Kochton Plywood & Veneer; Aetna Plywood & Veneer; Consolidated; Kelly VanVleet; Oregon Pacific; Vancouver Sales; Midwest; North Pacific; Edward Hines; U. S. Plywood.

BATE LUMBER COMPANY

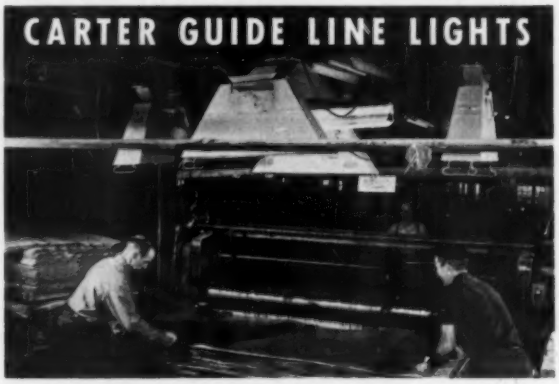
Merlin, Oregon.
EQUIPMENT: Lathes 3; dryers 3; hot presses 2; maximum press size 4x8 ft.
SALES AGENTS AND BRANCHES: J. Herbert Bate Co., Hackensack, N. J.; Bate Lumber Co., Portland, Ore.

BENTON PLYWOOD
(formerly Corvallis Plywood)

P. O. Box 587, Corvallis, Ore.


NORTH PACIFIC
PLYWOOD INC.
TACOMA, WASH.
1549 Dock Street
• Worker owned and operated
• Member Douglas Fir Plywood Assn.
Manufacturers of
CO-PLY . . . High Quality Plywood. Exterior and Interior in all grades.
® Registered, North Pacific Plywood, Inc.
DECOPANEL . . . . Selected one-piece, no patch faces, wire brushed for beautiful decorative effect.
Rotary Cut LAUAN
Special products: Red Oak
Birch
Knotty Pine

No Short Cross Bands or Centers with



This battery of Carter Guide Line Lights casts four distinct shadow lines to assure a waste-free lay-up operation for the Roddis Plywood Corporation. With all four sides clearly defined, workmen position each layer at top speed, yet eliminate rejects due to short cross bands or centers. All lights are readily adjustable to mark any lay-up size desired.

Carter also offers **Band Saw Wheels**, plus the industry's most extensive line of **Band Saw Guides** with **Mounting Brackets** for virtually any machine.

See your Carter representative or write for free catalog.

Carter PRODUCTS COMPANY, INC.
448 Helmer Bldg., 50 Market St., Grand Rapids, Mich.

Telephone: Plaza 3-4463.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 150,000,000 sq. ft.
EQUIPMENT: Dryers 3; cold press 1; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Carlos Ribagliati, sls. mgr.; Carl Hevlin, plant supt.; Fred Darby, plant mgr.

BOHEMIA LUMBER CO., INC.

Culp Creek, Ore.
Telephone: Whitney 6-1511. Teletype: Cottage Grove 255.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft.
EQUIPMENT: Lathe 1; slicer 1; dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: L. L. Stewart, pres.; S. E. Pittman, sls. mgr.; R. W. Kensit, plant mgr.

BROOKINGS PLYWOOD CORP.

Box 1008, Brookings, Oregon.
Telephone: 2711.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 84,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 70,000,000 sq. ft. Species: 1,250,000 sq. ft. white pine; 750,000 sq. ft. spruce; 200,000 sq. ft. Philippine mahogany; 250,000 sq. ft. knotty pine.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: R. W. Reeser, pres.; J. J. Connors, gen. and sls. mgr.; C. R. Reckers, plant supt.
SALES AGENTS AND BRANCHES: Northwest Door.

CAMAC VENEER, INC.

To be completed May 1960.
199 N. Bertelsen Rd, Eugene, Ore.

CAROLINA PACIFIC PLYWOOD, INC.

White City, Ore.
ANNUAL CAPACITY. (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 55,000,000-60,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 4x8 ft.
PERSONNEL: B. D. Mitchell, pres.; John Colucci, sls. mgr.; Glen Leach, plant supt.

CASCADES PLYWOOD CORP.

Plant Address: Lebanon, Ore.
Home Address: 1316 Public Service Bldg., Portland, Ore.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 160,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 159,396,000 sq. ft. Species: 156,000,000 sq. ft. Douglas fir; 3,000,000 sq. ft. hemlock.
SPECIAL PRODUCTS: Plastic or paper overlays 2,000,000 sq. ft.; striated panels 3,229,000 sq. ft.; Texture One Eleven 5,875,000 sq. ft.; scarfed panels 2,100,000 sq. ft.; 2.4.1 panels 826,000 sq. ft.; hardboard faced 2,110,000 sq. ft.; cut up items 28,000,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 6; hot presses 6; maximum press size 68x133 in.
PERSONNEL: C. W. Fox, pres.; B. V. Hancock, sls. mgr.; Jack Brande, gen. plant mgr.; Orvie Johnson, prod. plant mgr.
SALES AGENTS AND BRANCHES: U. S. Plywood Corp.

COOS HEAD TIMBER CO.

P.O. Box 750, Coos Bay, Ore.
Telephone: Congress 7-2193. Teletype: Coos Bay 682.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 45,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 45,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: 2.4.1. panels 3,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryer 1; cold press 1; maximum press size 4x8 ft.
PERSONNEL: F. Willis Smith, pres.; H. A. Page, sls. mgr.; V. E. Adams, plant mgr.
SALES AGENTS AND BRANCHES: Coos Head Lumber & Plywood Co., P. O. Box 1215, Wilmington, Calif.

COQUILLE VALLEY LUMBER CO.
(To be in operation about April, 1960)

Albany, Oregon.
Telephone: Wabash 6-4226.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 84,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Slicer 1; dryers 2; hot press 1; maximum press size 30 opening.
PERSONNEL: Noble H. Chowning, pres.; Noble H. Chowning, Jr., sls. mgr.; Ray Buckner, plant supt.; Eldon W. Chowning, construction engineer and plant mgr.

COQUILLE VALLEY LUMBER CO.

Box 5964, Milwaukie, Oregon.
Telephone: Olive 4-6561. Teletype: Milwaukie 774.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 96,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 82,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven; prefinished; 2.4.1 panels.
EQUIPMENT: Slicer 1; dryer 1; cold press 1; hot presses 2; maximum press size 15 opening.
PERSONNEL: Noble H. Chowning, pres.; Frank Smith, gen. mgr.; Noble H. Chowning, Jr., sls. mgr.; Ernie Nance, plant supt.; Chet Kennedy, plant mgr.

CUSTOM PLYWOOD, INC.

2755 Ament Dam Road, Grants Pass, Ore.
Telephone: GR 6-4431. Teletype: Grants Pass 154.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 84,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 84,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: 2 dryers, 2 cold presses; maximum press size 4x10 ft.
PERSONNEL: B. D. Mitchell, pres.; H. R. Blacketor, gen. mgr.; Douglas Gordenier, sls. mgr.; Walker Breeden, plant supt.

DIAMOND LUMBER CO.

Plant Address: Tillamook, Ore.
Home Address: 323 Pittock Block, Portland 5, Ore.
Telephone: CA 2-9805. Teletype: TWX 499.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 120,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 100,000,000 sq. ft. Species: 57,830,000 sq. ft. Douglas fir; 2,601,000 sq. ft hemlock; 11,769,000 sq. ft. spruce; 700,000 sq. ft. Philippine mahogany; 440,000 sq. ft. birch; 46,000 sq. ft. oak; 126,000 sq. ft. other species.
SPECIAL PRODUCTS: Plastic or paper overlays: 2,620,000 sq. ft.; hardwood faced panels 1,312,000 sq. ft.; Texture One Eleven 225,000 sq. ft.; scarfed panels 1,600,000 sq. ft.; 2.4.1 panels 47,000 sq. ft.; finger jointed panels 8,000,000 sq. ft.; lauan door panels.
EQUIPMENT: Lathes 2; dryers 3; hot presses 3; maximum press size 4x8 ft.
PERSONNEL: Roy A. Gould, pres.; G. G. Nessler, sls. mgr.; E. R. Knokey, plant supt.

DOUGLAS FIR PLYWOOD CO.

Plant Address: Bandon, Ore.
Home Address: P. O. Box 1091, Roseburg, Ore.
Telephone: Filmore 7-2511, Bandon.
ANNUAL CAPACITY: (3/8-inch basis) 48,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Dryers 2; hot press 1; maximum press size 48x96 in.
PERSONNEL: K. W. Ford, pres.; Cliff Pearson, gen. mgr.; Milton Rodgers, plant supt.; Henry Dotter, plant mgr.

DOUGLAS FIR PLYWOOD CO.

Plant Address: Coquille, Ore.
Home Address: P. O. Box 1091, Roseburg, Ore.
Telephone: 5381.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 90,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 90,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 4; hot presses 2; maximum press size 48x96 in.
PERSONNEL: K. W. Ford, pres.; Earl Bleile, sls. mgr.; Don Radford, plant supt.; Henry Dotter, plant mgr.

DRAIN PLYWOOD CO.

P. O. Box 98, Drain, Ore.
Telephone: TEmple 6-9144 and 6-9145.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 7,800,000 sq. ft. 1959 estimated production (3/8-inch basis) 7,200,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryer 1; hot press 1; maximum press size 5x10 ft.
PERSONNEL: Harold Woolley, pres.; Frank Clarke, sls. mgr.; Alvin Fields, plant supt.; Tom Myers, office mgr.; Robert B. Miller, sales coordinator.
SALES AGENTS AND BRANCHES: Clear Fir Sales Co., Box 188, Springfield, Ore.

DWYER LUMBER & PLYWOOD CO.

9637 S. E. 100th Ave., Portland 66, Ore.
Telephone: PR 5-6711. Teletype: PD 793-U.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 44,000,000 sq. ft. Douglas fir; 4,000,000 sq. ft. hemlock.

AUTOMATION IN PLYWOOD
To Cut Your Operation Costs

Coe Manufacturing Company, through its Western Division, offers on the spot service throughout the West on the famous Coe quality machinery, providing the industry with the finest in plywood machinery. (See Coe ad on page 15).

In addition, the Western Division also represents these other leading manufacturers:

EDERER ENGINEERING CO.
Barkers - Lathe Chargers - Cranes
Cold Presses - Edge Gluers

DURAND MACHINE WORKS
Panel Sander Feeders - Panel Stackers
Skinner Saw Feeders

FLUCKINGER MACHINE WORKS
Glue Spreaders • Glue Storage Tanks
Glue Mixers

LAUCKS LABORATORIES, INC.
Laucks SENTRY Moisture Detectors

BALDWIN-LIMA-HAMILTON CORPORATION
Hot Plate Presses

COE
Manufacturing Company
Western Division

1623 S.E. 6th Avenue
Portland 14, Oregon

Phone
BElmont 2-4174

EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 60x108 in.
PERSONNEL: A. J. Dwyer, Jr., pres.; A. F. Janowski, sls. mgr.; Robert Gardner, plant supt.; H. C. Sampert, gen. mgr.

EUGENE PLYWOOD CO.

2511 West 6th St., P. O. Box 3486, Eugene, Ore.
Telephone: Diamond 5-0156.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 96,000,000 sq. ft. Douglas fir.
EQUIPMENT: 2 dryers, 1 hot press, 1 cold press; maximum press size 4x8 ft.
PERSONNEL: Hayden Hastings, pres. and gen. mgr.; Doyle Hastings, vice pres. and plant supt.
SALES AGENTS: Jones Veneer & Plywood Co., Eugene, Oregon.

EVANS PRODUCTS CO.

P. O. Box 839, Coos Bay, Ore.
Telephone: COngress 7-3194.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 120,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 84,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Scarfed panels 1,800,000 sq. ft.
EQUIPMENT: Dryers 3; cold press 1; hot presses 2; maximum press sizes 4x8 ft. and 5x10 ft.
PERSONNEL: E. S. Evans, Jr., pres.; C. J. Short, vice pres., gen. mgr.; W. J. Ritchie, sls. mgr.; D. C. Wood, production mgr.; H. W. Bullard, chief engineer; R. G. Extra, asst. sls. mgr.

EVANS PRODUCTS CO.

Plant Address: P. O. Box 1069, Roseburg, Ore.
Home Address: P. O. Box 839, Coos Bay, Ore.
Telephone: Orchard 2-2646.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 44,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 44,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: E. S. Evans, Jr., pres.; C. J. Short, vice pres., gen. mgr.; W. J. Ritchie, sls. mgr.; D. C. Wood, production mgr.; Harold Hall, plant supt.; R. G. Extra, asst. sls. mgr.; H. W. Bullard, chief engineer.

FIR PLY, INC.

Plant Address: White City, Oregon.
Home Address: P. O. Box 9, Medford, Ore.
Telephone: TAlbot 6-2811.
ANNUAL CAPACITY (3/8-inch, 3-ply) 42,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 57,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; cold presses 2; maximum press size 48x96 in.
PERSONNEL: Carl Jacobson, pres. and gen. mgr.; E. A. Clark, plant mgr.
SALES AGENTS AND BRANCHES: Northwest Door & Plywood Sales, Inc.

GEORGIA PACIFIC CORP.

Plant Address: P. O. Box 869, Coos Bay, Ore.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: COngress 7-2161. Teletype: Coos Bay, Ore. 52.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 132,000,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 4; hot presses 3; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; W. H. Hunt, vice pres. of sls.; F. V. Langfitt, Jr., sls. mgr.; Jens Jorgenson, gen. mgr.; Arthur P. West, plant mgr.

GEORGIA PACIFIC CORP.

Plant Address: P. O. Box 607, Coquille, Ore.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: 1451. Teletype: Coquille, Ore. 67.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 200,000,000 sq. ft.
SPECIAL PRODUCTS: 2.4.1 panels; hardboard faced.
EQUIPMENT: Lathes 4; dryers 5; cold presses 2; hot presses 3; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; F. V. Langfitt, Jr., sls. mgr.; W. H. Hunt, vice pres. sls.; Jens Jorgenson, gen. mgr.; Ambrose Caudle, plant mgr.

GEORGIA PACIFIC CORP.

Plant No. 1: P. O. Box 187, Springfield, Ore.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: Riverside 7-3321. Teletype: Spfd, Ore. 089.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 121,000,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 4; cold press 1; hot presses 3; maximum press size 60x144 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; W. H. Hunt, vice pres. of sls.; F. V. Langfitt, Jr., sls. mgr.; Jens Jorgenson, gen. mgr.; Arthur P. West, plant mgr.

GEORGIA PACIFIC CORP.

Plant No. 2: Springfield, Ore. (To be completed spring 1960.
Home Address: Equitable Bldg., Portland, Ore.
ANNUAL CAPACITY (3/8-inch, 3-ply) 110,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 4; hot presses 2; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; W. H. Hunt, vice pres. of sls.; F. V. Langfitt, Jr., sls. mgr.; Jens Jorgenson, gen. mgr.; Arthur P. West, plant mgr.

GEORGIA PACIFIC CORP.

Plant Address: Toledo, Ore.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: 3-2211. Teletype: Tol. 383.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 96,000,000 sq. ft.
SPECIAL PRODUCTS: Texture One Eleven; 2.4.1 panels.
EQUIPMENT: Lathes 2; dryers 4; hot presses 3; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; F. V. Langfitt, Jr., sls. mgr.; Jens Jorgenson, gen. mgr.; W. H. Hunt vice pres. of sls.; Hank McCue, plant mgr.

GIUSTINA VENEER CO.

Plant Address: 2nd and Garfield, Eugene, Ore.
Home Address: P. O. Box 989, Eugene, Ore.
Telephone: DI 5-2301. Teletype: EG 064.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: N. B. Giustina, pres.; Ehrman V. Giustina, gen. mgr.; H. E. Sanderson, sls. & plant mgr.; Ted Hurd, plant supt.

GRANTS PASS PLYWOOD INC.

124 Mill St., Grants Pass, Ore.
Telephone: Greenwood 6-6638.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 96,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 72,000,000 sq. ft. Species: 70,000,000 sq. ft. Douglas fir; 2,000,000 sq. ft. spruce.
SPECIAL PRODUCTS: Texture One Eleven 10%; 2.4.1 panels, 1%.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: Bronson J. Lewis, pres. and gen. mgr.; Larry St. Onge, sls. mgr.; C. A. Jones, plant supt.
SALES AGENTS AND BRANCHES: Plywood & Veneer Sales Co., P. O. Box 670, Grants Pass, Ore.

EDWARD HINES LUMBER CO.

Plant Address: Westfir, Oregon.
Home Address: 200 S. Michigan Ave., Chicago 4, Ill.
Telephone: Oakridge 2-2211. Teletype: Oakridge 062.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 47,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Hardboard siding.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: Charles M. Hines, pres.; Howard R. Lemons, gen. mgr.; Tom Wessner, sls. mgr.; Clarence Herman, plant supt.; Adolph Paul, plant mgr.
SALES AGENTS AND BRANCHES: Edward Hines Lumber Co., Chicago, Ill.

HUB CITY PLYWOOD CORP.

Albany, Oregon.
Telephone: Wabash 6-4424. Teletype: Alby 659.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 150,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 145,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryers 2; cold presses 3; maximum press size 4x10.
PERSONNEL: Elton Disher, pres. & gen. mgr.; Wm. F. Gwinn, sls. mgr; Elmer Salo, plant mgr.
SALES AGENTS AND BRANCHES: Vancouver Plywood, Vancouver, Wash.

HULT PLYWOOD CO.
(To be in operation Nov. 1, 1959)

Junction City, Ore.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 5,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Nils B. Hult, pres.; A. E. Wall, sls. mgr.; W. E. Lydston, plant supt.

INPLY CORP.

P. O. Box 426, Independence, Ore.
Telephone: 395.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 120,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 54,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1, dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Walt Branford, plant supt.; Clair Grossman, plant mgr.

"PORTALLOY"
Specially Designed Chains
Custom made for Customer's needs
MAXIMUM STRENGTH
"PORTALLOY is to chain as COPENHAGEN is to snoose"
PORTLAND CHAIN MANUFACTURING CO.
4000 N.W. Yeon • Portland, Oregon • CApitol 8-9219

You don't pay the man who isn't there
Engineered to Cut Costs
CORLEY
SAWMILL MACHINERY
CORLEY MANUFACTURING CO. CHATTANOOGA, TENN.

SALES AGENTS AND BRANCHES: Plywood Products Sales Co.

INTERNATIONAL PAPER CO. Long-Bell Div.

Plant Address: Gardiner, Ore. (Ph. Crestview 1-2351, Reedsport, Ore.)
Home Address: Longview, Wash.
Telephone: HA 3-2110. Teletype 375.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Scarfed panels 2,000,000 sq. ft.; Marine 300,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: J. D. Leland, vice pres.; H. G. Kelsey, gen. mgr. Western operations; O. D. Harrington, gen sls. mgr.; A. J. Myers, br. mgr.; R. Forsythe, plant supt.; F. L. Foval, asst. gen. sls. mgr.; F. N. McCullah-W. C. Ring, plywood sls.
SALES AGENTS AND BRANCHES: International Paper Co., Long-Bell Div., sls. offices in all major cities.

INTERNATIONAL PAPER CO. Long-Bell Div.

Plant Address: Vaughn, Ore. (Ph. Webster 5-2215, Veneta, Ore.)
Home Address: Longview, Wash.
Telephone: HA 3-2110. Teletype 375.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 67,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays: 100,000 sq. ft.; Marine, 300,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: J. D. Leland, vice pres.; H. G. Kelsey, gen. mgr. Western operations; O. D. Harrington, gen. sls. mgr.; H. G. Reents, br. mgr.; A. Carter, plant supt.; F. L. Foval, asst. gen. sls. mgr.; W. C. Ring-F. N. McCullah, plywood sls.
SALES AGENTS AND BRANCHES: International Paper Co., Long-Bell Div., sls. offices in all major cities.

JEFFERSON PLYWOOD CO.

Madras, Ore.
Telephone: 2267.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 50,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: Philip Dahl, pres.; J. P. Andrews, gen. mgr.; O. B. Williams, sls. mgr.

JONES VENEER & PLYWOOD CO. (formerly Lane Laminators, Inc.)

P. O. Box 3126, Eugene, Ore.
Telephone: Diamond 4-5269.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 40,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: Philippine mahogany.
SPECIAL PRODUCTS: Hardwood faced panels 40,000,000 sq. ft.; exterior lauan grooved siding.
EQUIPMENT: Dryers 2; hot press 1; maximum press size 48x96 in.
PERSONNEL: Phillip A. Jones, pres.; Nick Daviscourt, gen. mgr.; Lonny Reeves, plant supt.; Ike Taylor, plant mgr.
SALES AGENTS AND BRANCHES: Jones Veneer & Plywood, P. O. Box 252, Eugene, Ore.; DI 4-2253. Sls. Mgr., John Prince.

JONES VENEER & PLYWOOD CO. (formerly Multi Use Panel Corp.)

Eugene, Oregon.
Telephone: DI 5-2381.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 102,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: Philippine mahogany.
SPECIAL PRODUCTS: Hardwood faced panels 30,000,000 sq. ft.; prefinished 6,000,000 sq. ft.; exterior grooved lauan 12,000,000 sq. ft.
EQUIPMENT: Dryers 2; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: Harold R. Jones, pres.; Nick Daviscourt, gen. mgr.; Ike Taylor, plant mgr.; Sam Busby, plant supt.
SALES AGENTS AND BRANCHES: Jones Veneer & Plywood Co., P. O. Box 252, Eugene, Ore. John M. Prince, sls. mgr.

JONES VENEER & PLYWOOD CO. (formerly Valley Plywood Co.)

Junction City, Ore.
Telephone: Wyman 8-2316.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft. Species: 54,000,000 sq. ft. Douglas fir; 6,000,000 sq. ft. Philippine mahogany.
SPECIAL PRODUCTS: Hardwood faced panels 6,000,000 sq. ft.; Texture One Eleven 6,000,000 sq. ft.
EQUIPMENT: Dryers 3; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: Russell W. Jones, pres.; Nick Daviscourt, gen. mgr.; Dave Slaughter, plant supt.; Ike Taylor, plant mgr.
SALES AGENTS AND BRANCHES: Jones Veneer & Plywood Co.; P. O. Box 252, Eugene, Ore., John Prince, sls. mgr.

KLAMATH HARDWOODS, INC.

Plant Address: U. S. Highway 97, 4 miles south of Klamath Falls, Ore.
Home Address: P. O. Box 431, Klamath Falls, Ore.
Telephone: Tuxedo 2-4453.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 54,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 45,000,000 sq. ft. Species: 22,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. ponderosa; 4,000,000 sq. ft. Philippine mahogany; 12,000,000 sq. ft. birch; 3,000,000 sq. ft. oak; 3,000,000 sq. ft. knotty pine.
SPECIAL PRODUCTS: Hardwood faced panels 22,000,000 sq. ft.; 2.4.1 panels 100,000 sq. ft.; sliced veneer panels 4,200,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: A. J. Honzel, Sr., pres. & gen. mgr.; A. J. Honzel, Jr., sls. & plant mgr.; Claude Garrison, plant supt.
SALES AGENTS AND BRANCHES: Clear Fir Sls. Co.

LANE PLYWOOD INC.

Route 5, Box 28, Eugene, Ore.
Telephone: Diamond 4-4289. Teletype: EG 052.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 125,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 112,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Texture One Eleven 2,000,000 sq. ft.; 2.4.1 panels 100,000 sq. ft.; cut up items 500,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 3; cold press 1; hot press 1; maximum press size 50x100 in.
PERSONNEL: J. A. Morgan, pres.; Miles S. Munson, gen. & sls. mgr.; Henry Blair, plant supt.

LINN PLYWOOD CORP. (Plant burned on August 6, 1959)

9th & Hill St., Albany, Ore.
Telephone: Wabash 6-1513.
1959 estimated production (3/8-inch basis) 35,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 3; cold presses 3; maximum press size 4x8 ft.
PERSONNEL: James Perse, pres.; Edward Kellenberger, gen. mgr.; Mrs. Rosemary Belts, sls. mgr.; Ronald Groshong, plant supt.
SALES AGENTS AND BRANCHES: Roddis Plywood Corp.

LINNTON PLYWOOD ASSOCIATION

10504 N.W. St. Helens Rd., Portland, Ore
Telephone: AV 6-3672.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 66,000,000 sq .ft. Species: Douglas fir.
EQUIPMENT: 2 lathes; 2 dryers; 1 cold press; 1 hot press; maximum press size 48x96 in.
PERSONNEL: L. M. Hale, pres.; Jack Paul, plant supt.
SALES AGENTS: Georgia Pacific Corp., Portland, Ore.

MacKENZIE RIVER PLYWOOD CORP.

P. O. Box 245, Marcola Road, Springfield, Ore.
Telephone: Riverside 6-4496. Teletype: SPFD 029.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 43,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 4x8 ft.
PERSONNEL: C. E. Anderson, pres. & gen. mgr.; Eugene Hutchison, plant supt.; W. G. Wysong, plant mgr.
SALES AGENTS AND BRANCHES: Monarch Plywood Sls. Inc.

THE MARTIN BROS. CONTAINER & TIMBER PRODUCTS CORP.

Plant Address: P. O. Box 698, Oakland, Ore.
Home Address: 39 Blucher St., P. O. Box 697, Toledo 1, Ohio.
Telephone: 2211. Teletype: 86.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 84,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels 1,320,000 sq. ft.; sliced veneer panels 1,320,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot press 1.
PERSONNEL: F. J. Martin, chmn. of the bd.; D. J. Martin, pres. & sls. mgr.; B. L. Martin, gen. mgr.; R. J. Martin, plant mgr.; James Dooley, asst. sls. mgr.; Joseph Perrault, plant supt.
SALES AGENTS AND BRANCHES: The Martin Bros. Container & Timber Products Corp., 39 Blucher Street, P. O. Box 697, Phone Cherry 8-4241, Teletype TO 578, Toledo, Ohio.

MEDFORD VENEER & PLYWOOD CORP.

Plant Address: White City, Ore.
Home Address: 1103 N. Riverside, P. O. Box 507, Medford, Ore.

GRANTS PASS PLYWOOD, INC.
GRANTS PASS, OREGON

Producers of quality Douglas Fir Plywood in all grades of interior and exterior. Sizes up to and including 5'x10'. Natural grades.

TEXTURE 1-11
SHIPLAPPING
TONGUE & GROOVING
V-GROOVING

Exclusive Sales Agent
PLYWOOD & VENEER SALES CO.
P. O. Box 808 — GRANTS PASS, OREGON
Phone: GReenwood 6-4474 — TWX: GTS P 6159
Sales Manager: L. V. "Larry" ST. ONGE

Southern California Representative BUS McNEIL
641 S. Atlantic Blvd. — Los Angeles, Calif.
Phone ANgelus 1-0606 — TWX: LA 1769

Telephone: Spring 3-3601. Teletype: MF90.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 54,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels 150,000 sq. ft.
EQUIPMENT: Dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: John A Colquhoun, pres.; Glen L. Jones, gen. mgr.; Dan Froehle, sls. mgr.; W. M. Zemlicka, plant supt.; Wm. C. Riggert, asst. mgr.
SALES AGENTS AND BRANCHES: Western Forest Sales Corp., 3319 N. Central Ave., Phoenix, Ariz.

MENASHA PLYWOOD, Div. of Menasha Wooden Ware Corp.

Plant Address: P. O. Box 349, North Bend, Ore.
Home Address: Menasha, Wis.
Telephone: SV 9-2751.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 70,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot press 1; maximum press size 48x120 in.
PERSONNEL: Mowry Smith, pres.; A. P. Stinchfield, gen. mgr.; Wilbur G. Craig, sls. mgr.; D. J. Wright, prod. mgr.
SALES AGENTS AND BRANCHES: Menasha Sls. Corp., Box 349, North Bend, Ore.

MID-PLYWOOD, INC.

(Under construction)
Sweet Home, Ore.

MONAGHAN PLYWOOD CO.

Plant Address: Hwy 99 North, Eugene, Ore.
Home Address: 2672 Harris, Eugene, Ore.
Telephone: DI 4-3670.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 5,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: 100,000 sq. ft. cut up items.
EQUIPMENT: 1 dryer; 1 cold press; maximum press size 48x96 in.
PERSONAL: A. L. Hoffman, pres.

MULTNOMAH PLYWOOD CORP.

1500 S.W. Harbor Drive, Portland, Ore.
Telephone: CA 8-8523.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 92,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 80,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 3; cold presses 2; hot press 1; maximum press size 5x10 ft.
PERSONNEL: C. A. Merchant, pres.; A. T. Nelson, gen. mgr.; A. J. Boho, sls. mgr.; W. Balo, plant supt.

MYRTLE CREEK PLYWOOD CO.

P. O. Box 187, Myrtle Creek, Ore.
Telephone: UN 3-3969.
1959 estimated production (3/8-inch basis) 66,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 4x10 ft.
PERSONNEL: William Vance, pres. & gen. mgr.
SALES AGENTS AND BRANCHES: Clear Fir Sales, P. O. Box 188, Springfield, Ore.

NATIONAL PLYWOOD INC.

(formerly Umpqua Plywood Corp.)
P. O. Box 170, Roseburg, Ore.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 55,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Adrian J. Standley, pres. & gen. mgr.; Cordon Ellisson, plant supt.

NATRON PLYWOOD CO.

P. O. Box 295, Springfield, Oregon.
Telephone: RI 7-3371.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 80,000,000 sq. ft. Douglas fir.
EQUIPMENT: 2 lathes; 2 dryers; 2 cold presses; maximum press size: 4x8 ft.
PERSONNEL: Gordon W. Tripp, pres. and gen. mgr.; John Svejcar, sls. mgr.; Bill Kirk, plant supt.

NORDIC PLYWOOD, INC.

Box 746, Sutherlin, Ore.
Telephone: 2232. Teletype: Oak-63.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: New specialty products custom tongue & groove and shiplapping.
EQUIPMENT: Dryers 2; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: J. R. Adams, pres. & sls. mgr.; N. H. Jacobson, plant mgr.; Milton Clay, plant supt.; Lawrence Armstrong, sls.

OREGON PLYWOOD CORP.

(Plant burned — will be in operation June, 1960)
Sweet Home, Ore.
Telephone: Empire 7-2000.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels.
EQUIPMENT: Lathes 2; dryer 1; hot press 1; maximum press size 60x120 in.
PERSONNEL: R. F. Hofheins, pres.; F. W. Van Horn, vice pres. & res. mgr.; B. E. Beaman, plant supt.
SALES AGENTS AND BRANCHES: Oregon Plywood Sales Corp., 1234 Broadway, Buffalo 12, N. Y.

OREGON VENEER CO.

Plant Address: White City, Ore.
Home Address: P. O. Box 1364, Medford, Ore.
Telephone: TA 6-2471.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 62,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 56,500,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; cold press 1; maximum press size 4x8 ft.
PERSONNEL: J. A. Hoare, pres.; Jack Rowbotham, plant mgr. & supt.
SALES AGENTS AND BRANCHES: Clear Fir Sales Co., Frank Clarke, sls. dir.; Larry Moore, sls. mgr.

OREGON WASHINGTON PLYWOOD CO.

Garibaldi, Ore.
Telephone: Davis 2-3241. Teletype: 730.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 96,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 84,000,000 sq. ft. Species: 72,000,000 sq. ft. Douglas fir; 6,000,000 sq. ft. hemlock; 6,000,000 sq. ft. spruce.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 4x10 ft.
PERSONNEL: Roy Backus, pres.; Robert J. Hamann, gen. mgr.; Robert G. Berkey, sls. mgr.; Lester Hamann, plant supt.
SALES AGENTS AND BRANCHES: Roy Backus, P. O. Box 156, Hartsdale, N. Y.; Wm. Shea, P. O. Box 7024, Capitol Hill Sta., Denver, Colo.; W. J. Lindberg, P. O. Box 223, Palatine, Ill.

PACIFIC PLYWOOD CO.

P. O. Box 78, Dillard, Oregon.
Telephone: Osborne 9-8781. Teletype: RS 54 U.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 47,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. white fir.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; maximum press size 48x96 in.
PERSONNEL: William Forrest, pres. & gen. mgr.; John J. Longfellow, sls. mgr.; Jules Hicks, plant supt.; Edward C. Klemmer, plant mgr.
SALES AGENTS AND BRANCHES: Plywood Service, Inc.

PLYWOOD PRODUCTS CORP.

P. O. Box 609, Corvallis, Ore.
Telephone: Corvallis PL 2-2461; Albany WA 6-3511.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 192,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 156,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryers 3; cold presses 4; maximum press size 48x96 in.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Merle Hill, plant supt.; G. F. Arnsdorff, plant mgr.
SALES AGENTS AND BRANCHES: Plywood Products Sales Co.

PORT PLYWOOD CO.

Plant Address: Port Dock, Astoria, Ore.
Home Address: P. O. Box 479, Astoria, Ore.
Telephone: Fairfax 5-3532.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft.
EQUIPMENT: Dryers 2; cold press 1; maximum press size 4x8 ft.
PERSONNEL: A. C. Capps, pres. & gen. mgr.; Dick Gano, sls. & office mgr.; Dale Kiser, shift foreman; Johnnie Delmar, plant supt.

ROSBORO LUMBER CO.

Springfield, Ore.
Under Construction—to be completed early 1960.

ROSEBURG LUMBER CO., Plant No. 1

Plant Address: Dillard, Ore.
Home Address: P. O. Box 1091, Roseburg, Ore.
Telephone: OS 9-8741. Teletype: RS 33.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. Species: 64,000,000 sq. ft. Douglas fir; 3,000,000 sq. ft. Philippine mahogany; 6,000,000 sq. ft. birch.
SPECIAL PRODUCTS: Hardwood faced panels 600,000 sq. ft.; brushed panels 150,000 sq. ft.; Texture One Eleven 5,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot presses 2; maximum press size 60x96 in.
PERSONNEL: Kenneth W. Ford, pres.; Earl M. Bielle, sls. mgr.; Cal Fanus, plant supt.; C. H. Pearson, plant mgr.

ROSEBURG LUMBER CO., Plant No. 2

Plant Address: Dillard, Ore.

D&R

DOMESTIC • EXPORT • IMPORT • RAIL & WATER

PLYWOODS

D & R OFFERS YOU

- Professional Plywood Specialists
- Complete Plywood Coverage
- All Species Softwood and Hardwood
- Thorough Knowledge of Source and Supply

WHOLESALERS OF ALL PACIFIC COAST FOREST PRODUCTS

Home Address: P. O. Box 1091, Roseburg, Ore.
Telephone: OS 9-8741. Teletype: RS 33.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 120,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays: 1,000,000 sq. ft.; hardwood faced panels 200,000 sq. ft.
EQUIPMENT: Dryers 3; hot presses 3; maximum press size 60x120 in.
PERSONNEL: Kenneth W. Ford, pres.; Earl M. Bleile, sls. mgr.; Brian Counts, plant supt.; C. H. Pearson, plant mgr.

SANTIAM LUMBER CO., Plywood Div.

Plant Address: Box 128, Sweet Home, Ore.
Home Address: 811 S.W. Sixth, Portland, Ore.
Telephone: Empire 7-2124. Teletype: 3150.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 20,000,000 sq. ft. Species: 100% Douglas fir.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: C. H. Wheeler, pres.; Samuel C. Wheeler, plant mgr.; Pat McKeown, plant supt.; R. E. Davis, gen, sls. mgr.

SHERIDAN HARDWOOD, INC.

600 Mill Street, Sheridan, Ore.
Telephone: Thornwall 3-2232.
NOT OPERATING.
PERSONNEL. John Tyner, pres. & gen. mgr.
SALES AGENTS: Chinn & Hall, Seattle, Wash.

SIMPSON LOGGING CO.

Plant Address: Albany, Ore.
Home Address: Shelton, Wash.
Telephone: Wabash 6-2228.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Scarfed panels; 2.4.1 panels; other products: Exterior panels up to 8 in. thick.
EQUIPMENT: Lathe 1; dryers 2; hot presses 2; maximum press size 4x10 ft.
PERSONNEL: H. W. McClary, vice pres.; R. H. Fletcher, sls. mgr.; H. N. Johns, gen. mgr.; E. V. Bennett, plant mgr; Ray Robb, plant supt.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

SIMPSON LOGGING CO.

Plant Address: Lyons, Ore.
Home Address: Shelton, Wash.
Telephone: Ulrich 9-2323.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 80,000,000 sq. ft. Species: Douglas fir; ponderosa; hemlock.
SPECIAL PRODUCTS: Brushed panels; striated panels; Texture One Eleven; scarfed panels.
EQUIPMENT: Lathe 1; dryers 2; hot presses 2; maximum press size 60x120 in.
PERSONNEL: H. W. McClary, vice pres.; H. N. Johns, gen. mgr.; R. H. Fletcher, sls. mgr.; Ed Novak, plant supt.; Guy Hartle, plant mgr.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

SIMPSON LOGGING CO.

Plant Address: Portland, Oregon.
Home Address: Shelton, Wash.
Telephone: Avenue 6-0634.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 75,000,000 sq. ft. Species: Douglas fir; ponderosa; white pine; hemlock; Philippine mahogany; birch; oak.
SPECIAL PRODUCTS: Hardwood faced panels; sliced veneer panels; cut up items; other products: Jumbo sizes to 72x144 one piece.
EQUIPMENT: Lathes 2; slicer 1; dryers 5; hot presses 4; maximum press size 72x144 in.
PERSONNEL: H. W. McClary, vice pres.; H. N. Johns, gen. mgr.; R. H. Fletcher, sls. mgr.; W. Quay, plant supt.; Kevin Carty, plant mgr.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

SNELLSTROM LUMBER CO.

Plant address: 2818 West Sixth Ave., Eugene, Ore.
Home Address: P. O. Box 449, Eugene, Ore.
Telephone: DI 2-1141.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: 2,000,000 sq. ft. Texture One Eleven.
EQUIPMENT: 2 lathes; 2 dryers; 2 hot presses; maximum press size 48x96 in.
PERSONNEL: Orrin P. Snellstrom, pres. & gen. mgr.; Edward F. Wade, sls. mgr.; A. T. Olson, plant supt.

SOUTHERN OREGON PLYWOOD

605 S.E. J Street, P. O. Box 269, Grants Pass, Ore.
Telephone: Greenwood 6-6681.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 76,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 72,000,000 sq. ft. Species: 41,301,300 sq. ft. Douglas fir; 124,000 sq. ft. ponderosa; 362,700 sq. ft. white pine; 595,000 sq. ft. Philippine mahogany; 2,520,000 sq. ft. birch; 105,000 sq. ft. sen.
SPECIAL PRODUCTS: Hardwood faced panels 3,220,000 sq. ft.; Texture One Eleven 595,000 sq. ft.; hardboard faced 527,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot presses 2; maximum press size 60x120 in.
PERSONNEL: Jackson Beaman, pres.; Robert G. Davis, gen. mgr.; Inez M. Dahl, sls. mgr.; M. J. (Mike) Oreskovic, plant supt.
SALES AGENTS AND BRANCHES: Mr. Foe A. Lawrence, sls. representative in Texas.

STIMSON LUMBER CO.

(Under construction—tentative production 1960)
P. O. Box 68, Forest Grove, Ore.
Telephone: Mitchell 4-9158.

STRUCTURAL LAMINATES, INC.

P. O. Box 415, Beaverton, Ore.
Telephone: Mitchell 4-2165.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 10,000,000 sq. ft. Species: 50% Douglas fir and 50% hemlock and spruce.
SPECIAL PRODUCTS: 2.4.1 panels; hardboard faced; cut up items; special size layup.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 60x120 in.
PERSONNEL: C. D. Johnson, pres.; C. R. Wilson, sls. mgr.; Lloyd Coffey, plant supt.

THREE SISTERS PLYWOOD INC.

P. O. Box 275, Albany, Ore.
Telephone: WA 6-4424. Teletype: 659.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 84,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 20,000,000 sq. ft.
EQUIPMENT: Dryer 1; cold press 1; hot press 1; maximum press size 5x10 ft.
PERSONNEL: Elton Disher, pres. & gen. mgr.; Wm. F. Gwinn, sls. mgr.; Elmer Salo, plant mgr.
SALES AGENTS AND BRANCHES: Vancouver Plywood, Vancouver, Wash.

TILLAMOOK VENEER CO.

1st & Cedar, P. O. Box 193, Tillamook, Ore.
Telephone: Victor 2-7503. Teletype: 373.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. Species: 70,000,000 sq. ft. Douglas fir; 2,000,000 sq. ft. spruce.
SPECIAL PRODUCTS: Brushed panels 5,000,000 sq. ft.
EQUIPMENT: Dryers 2; hot presses 2; maximum press size 60x120 in.
PERSONNEL: Walter Purcell, pres.; Elmer H. Hall, gen. mgr.; B. G. Monteith, plant supt.; L. M. Lucas, office mgr.

TIMBER PRODUCTS CO.

N. Central & McAndrews Rd., Medford, Ore.
Telephone: SP 3-6681. Teletype: MF 45.
1959 estimated production (3/8-inch basis) 50,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 3; cold presses 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: T. K. Oliver, gen. mgr.; E. F. Halligan, sls. mgr.; C. F. Underwood, plant supt.; D. C. Jackson, plant mgr.

UNITED STATES PLYWOOD CORP.

Ore. Div.
Plant Address: 2nd & Garfield, Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: DI 4-2203. Teletype: EG 069.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 92,230,000 sq. ft. 1959 estimated production (3/8-inch basis) 74,420,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Brushed panels 1,160,000 sq. ft.; Texture One Eleven 8,930,000 sq. ft.; scarfed panels 3,720,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; hot presses 3; maximum press size 5x10 ft.
PERSONNEL: M. R. Leeper, div. gen. mgr.; W. W. Wells, prod. mgr.; Verner Carlson, plant mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

UNITED STATES PLYWOOD CORP.

Ore. Div.
Plant Address: Gold Beach, Ore. (Under construction).
Adm. Hdqtrs. and Main Sls. Ofc.: P. O. Box 672, Second & Garfield Sts., Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.

UNITED STATES PLYWOOD CORP.

Ore. Div.
Plant Address: P. O. Box 100, Mapleton, Ore.
Adm. Hdqtrs. and Main Sls. Ofc.: P. O. Box 672, Second & Garfield Sts., Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: 3-4412. Teletype: Mapleton 015.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 62,250,000 sq. ft. 1959 estimated production (3/8-inch basis) 61,000,000 sq. ft. Species: Douglas fir.

IMPORT PLYWOODS:

PLYWOOD—DOORSKINS—

WALL PANELS
Lauan, Gaboon, Sen, Birch, Virola, Beech, Limba, Teak, Walnut, African Cherry, etc.

MARINE GRADE PLYWOOD
Lauan, Gaboon, African Cherry, etc.

DOMESTIC PLYWOODS:

DOUGLAS FIR PLYWOOD
Sanded, Interior and Exterior Sheathing, Plastic Overlays, Hardwood Faces on Fir Core.

HARDBOARDS
Hard and extra hard. Hardwood overlay. Vinyl surfaced, Plastic Laminated.

PARTICLE BOARD
Plain, Hardwood Overlay. Cut to size. Wall Panels.

VENEERS
For Doorskins and Overlay.

MARINE GRADE PLYWOOD

LONG SCARFED PANELS

HARDBOARD—PARTICLE BOARD

AND KAISER-FIR TEX INSULATING BOARD PRODUCTS

Dant & Russell, inc.
Sales Offices throughout the world
GEN. OFFICE: PORTLAND 1, ORE.

EQUIPMENT: Lathes 2; dryers 2; hot press 1; maximum press size 4x10 ft.
PERSONNEL: M. R. Leeper, div. mgr.; W. W. Wells, prod. mgr.; Tom Elwell, plant mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

UNITED STATES PLYWOOD CORP. Ore. Div.

Plant Address: P. O. Box 628, Roseburg, Ore.
Adm. Hdqtrs. and Main Sls. Ofc.: P. O. Box 672, Second & Garfield Sts., Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Orchard 2-3331. Teletype: RS 59.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 76,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 72,200,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: Plastic or paper overlays: 2,880,000 sq. ft.; cut up items 2,160,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: M. R. Leeper, div. mgr.; Ralph DeMoisey, gen. mgr.; Harry Mahoney, plant mgr.; W. W. Wells, prod. mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

UNITED STATES PLYWOOD CORP. Ore. Div.

Plant Address: P. O. Box 7, Willamina, Ore.
Adm. Hdqtrs. and Main Sls. Ofc.: P. O. Box 672, Second & Garfield Sts., Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Trinity 6-2042. Teletype: 324.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 101,450,000 sq. ft. 1959 estimated production (3/8-inch basis) 70,760,000 sq. ft. Species: 67,930,000 sq. ft. Douglas fir; 2,830,000 sq./ft. spruce.
EQUIPMENT: Lathes 2; dryers 3; hot presses 3; maximum press size 5x12 ft.
PERSONNEL: M. R. Leeper, div. mgr.; W. W. Wells, prod. mgr.; Russ Osborne, plant mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

VALSETZ LUMBER CO.

Plant Address: Valsetz, Ore.
Home Address: 807 Terminal Sales Bldg., Portland 5, Ore.
Telephone: Capitol 7-3521 (Portland). Teletype: PD 20 U.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 55,000,000 sq. ft. Species 50,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. hemlock.
SPECIAL PRODUCTS: 2.4.1 panels 240,000 sq. ft.; exterior types—sanded and sheathing.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Hall Templeton, pres.; Jean L. Grady, sls. mgr.; Dewey Clay, plant supt.
SALES AGENTS AND BRANCHES: Herbert A. Templeton Lbr. Corp., 807 Terminal Sls. Bldg., Portland, Ore.

WESTERN STATES PLYWOOD COOPERATIVE

Plant Address: Elk River Road, Port Orford, Ore.
Home Address: P. O. Box 86, Port Orford, Ore.
Telephone: Edgewood 2-3711. Teletype 603.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 70,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 56,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Herman C. Price, pres.; Raymond A. Reinke, sls. mgr.; George B. Gustafson, plant supt.; C. Ralph McKay, gen. mgr.
SALES AGENTS AND BRANCHES: Aberdeen Plywood Corp., Aberdeen, Wash.

WESTERN VENEER & PLYWOOD CO.

Plant Address: P. O. Box 487, Lebanon, Ore.
Home Address: 326 Pacific Building, Portland 4, Ore.
Telephone: CA 7-5585. Teletype: Lebanon 485.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 70,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 70,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Wm. Swindells, pres.; Harry Graham, res. mgr.; W. W. Affolter, sls. mgr.; Paul Boyd, plant supt.

WEYERHAEUSER CO.

Plant Address: Cottage Grove, Ore.
Home Address: Tacoma, Wash.
Telephone: Whitney 2-3332.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 55,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; hot presses 2; maximum press size 48x96 in.
PERSONNEL: F. K. Weyerhaeuser, pres.; R. K. Headley, gen. supt.; R. A. Kronenberg, plant mgr.; Thomas V. Zuvich, plant supt.

WEYERHAEUSER CO.

Plant Address: Springfield, Ore.
Home Address: Tacoma, Wash.
Telephone: Riverside 6-2511.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 75,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathes 2; dryers 3; hot presses 2; maximum press size 48x96 in.
PERSONNEL: F. K. Weyerhaeuser, pres.; R. A. Kronenberg, plant mgr.; R. E. Miller, plant supt.

WHITE CITY PLYWOOD CO.

White City, Oregon.
Box 387, Camp White, Ore.
Telephone: Talbot 6-2191.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft. Douglas fir. 1959 estimated production (3/8-inch basis) 12,000,000 sq. ft.
EQUIPMENT: 1 dryer; 1 cold press; maximum press size 4x8 ft.
PERSONNEL: Eldon McNamer, pres. and mgr.

WILLAMETTE PLYWOOD CORP.

Aumsville, Ore.
Telephone: Turner, Ore. SH 3-2131.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis), 70,000,000 sq. ft. Species: 40,000,000 sq. ft. Douglas fir; 32,000,000 sq. ft. Philippine mahogany, maple, birch, oak.
SPECIAL PRODUCTS: Hardwood faced panels 32,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: Harold Leevers, pres.; R. G. Evans, sls. mgr.; Louis Dean, plant supt.; M. L. Hopkins, plant mgr.

WILLAMETTE VALLEY LBR. CO.

Plant Address: P. O. Box 5, Dallas, Ore.
Home Address: 326 Pacific Bldg., Portland 4, Ore.
Telephone: CA 7-5585. Teletype: Dallas, Ore. 80
ANNUAL CAPACITY: (3/8-inch, 3-ply) 80,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 80,000,000 sq. ft. Species: 90% Douglas fir; 10% hemlock.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; maximum press size 4x8 ft.
PERSONNEL: Wm. Swindells, pres.; Wm. Swindells, Jr., gen. mgr.; A. F. Quirin, sls. mgr.; K. R. Hilliker, plant supt.; M. J. Kelly, res. mgr.

WILLAMETTE VALLEY LBR. CO.

Plant Address: P. O. Box 696, Sweet Home, Ore.
Sales Office: Dallas, Ore.
Home Address: 326 Pacific Bldg., Portland 4, Ore.
Telephone: CA 7-5585. Teletype: Dallas, Ore. 80
ANNUAL CAPACITY (3/8-inch, 3-ply) 75,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 75,000,000 sq. ft. Species 90% Douglas fir; 10% hemlock.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; maximum press size 4x8 ft.
PERSONNEL: Wm. Swindells, pres.; Wm. Swindells, Jr., gen. mgr.; A. F. Quirin, sls. mgr.; T. F. Huntley, res. mgr.; W. S. Henson, plant supt.

YAMHILL PLYWOOD CO.

P. O. Box 538, McMinnville, Ore.
Telephone: 1-0631.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 30,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Dryer 1; cold press 1; maximum press size 48x96 in.
PERSONNEL: R. H. Windishar, pres.; V. K. Wright, gen. mgr. O. H. (Dick) Stewart, plant supt.
SALES AGENTS AND BRANCHES: United States Plywood Corp., West Coast Purchasing, Eugene, Ore.

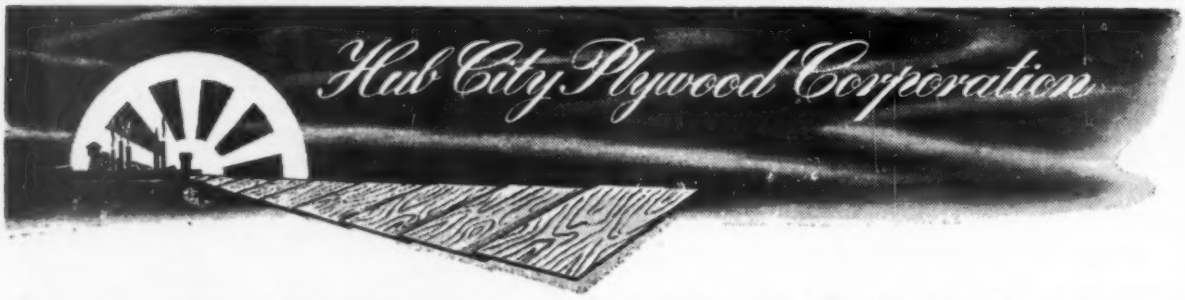
WASHINGTON

ABERDEEN PLYWOOD & VENEERS, INC.

Foot of Alder St., Aberdeen, Wash.
Telephone: Lenox 2-2330. Teletype: AB-79.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 49,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 49,000,000 sq. ft. Species: 13,200,000 sq. ft. Douglas fir; 4,800,000 sq. ft. knotty pine and cedar; 4,800,000 sq. ft. Philippine mahogany; 4,800,000 sq. ft. cottonwood; 1,200,000 sq. ft. maple; 12,000,000 sq. ft. birch; 4,800,000 sq. ft. oak; 3,600,000 sq. ft. walnut, cherry, ash and madrone.
SPECIAL PRODUCTS: Hardboard faced 30,000,000 sq. ft.; marine 4,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 3; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: J. Collins Lloyd, pres. and sales mgr.; Monford Orloff, vice pres. and gen. mgr.; Walter McAloney, plant supt.; W. S. John, plant mgr.; Bob Glueck, asst. sls. mgr.

ANACORTES VENEER, INC.

35th and V Avenue, Anacortes, Wash.
Telephone: CYpress 4-2611.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 120,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 100,000,000 sq. ft. Species: 70,000,000



P. O. BOX 254 - ALBANY, OREGON Telephone WAbash 6-4424 Twx-Alby-659
MANUFACTURER OF DOUGLAS FIR PLYWOOD SHEATHING

sq. ft. Douglas fir; 30,000,000 sq. ft. hemlock; 4,000,000 sq. ft. other species.
SPECIAL PRODUCTS: Plastic or paper overlays: 12,000,000 sq. ft.; hardwood faced panels 4,000,000 sq. ft.; Texture One Eleven 8,000,000 sq. ft.; scarfed panels 12,000,000 sq. ft.; 2.4.1 panels 3,000,000 sq. ft.; hardboard faced 9,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 4; cold press 1; hot presses 2; maximum press size 60x120 in.
PERSONNEL: Earl V. Cheldelin, pres.; Robert Howlett, sales mgr.; Walter Huttula, plant supt.; T. L. Bentley, gen. mgr.; Eldon H. Shelley, plant mgr.
SALES AGENTS AND BRANCHES: A. E. Schade, Anacortes Veneer, Inc., 13375 Watertown Plank Road, Elm Grove, Wis.; Frank Z. Edwards, Anacortes Veneer, Inc., No. 11 N. Essex St., Dover, N. J.

BINGEN VENEER & PLYWOOD CO.

P. O. Box 266, Bingen, Wash.
Telephone: White Salmon HY 3-2983.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 30,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,500,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: D. M. Stevenson, pres.; W. F. Daubenspeck, sales mgr.
SALES AGENTS AND BRANCHES: Glenn E. Lee Lumber Sales.

BUFFELEN WOODWORKING CO.

Plant Address: Lincoln Ave. & Taylor Way, Tacoma, Wash.
Home Address: P. O. Box 1383, Tacoma, Wash.
Telephone: MA 7-1191.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,000,000 sq. ft. Species: 1,790,000 sq. ft. Philippine mahogany; 1,020,000 sq. ft. birch; 48,000 sq. ft. oak.
EQUIPMENT: Lathes 2; slicer 1; dryers 3; hot presses 2; maximum press size 48x120 in.
PERSONNEL: James Edin, pres.; Jack C. Kempe, gen. mgr.; L. O. Aaby, sls. mgr.; William Davis, plant supt.
SALES AGENTS AND BRANCHES: Buffelen Sales Co.

CENTRALIA PLYWOOD, INC.

Plant Address: Central Blvd., Centralia, Wash.
Home Address: P. O. Box 449, Centralia, Wash.
Telephone: Pershing 6-7631. Teletype: 85.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: 30,000,000 sq. ft. Douglas fir; 4,000,000 sq. ft. hemlock; 2,000,000 sq. ft. spruce.
SPECIAL PRODUCTS: Texture One Eleven 100,000 sq. ft.; 2.4.1 panels 10,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: F. X. Heistuman, pres.; Geo. N. Raknes, gen. plant & sls. mgr.; Eldon Pilker, plant supt.
SALES AGENTS AND BRANCHES. Fiddes-Moore & Co., 3900 N. Mannheim Rd., Franklin Park, Ill.; 604 Executive Bldg., Portland, Ore.

COLUMBIA VENEER CO.

Plant Address: Kalama, Wash.
Home Address: Skinner Building, Seattle, Wash.
Telephone: MA 4-7184.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 60,000,000 sq. ft.
SPECIAL PRODUCTS: Texture One Eleven 400,000 sq. ft.; 2.4.1 panels some.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: F. L. Johnson, pres. & gen. mgr.; Don L. Johnson, sls. mgr.; Art Bergman, plant supt. & mgr.

ELLIOTT BAY MILL CO.

Home Address: 600 W. Spokane St., Seattle 4, Wash.
Telephone: MA 3-8080.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 72,000,000 sq. ft. Species: Douglas fir, white pine, hemlock, Philippine mahogany, birch, oak, walnut.
SPECIAL PRODUCTS: Hardwood faced panels; hardboard faced; sliced veneer panels; hardwood veneer (1/8-inch).
EQUIPMENT: Lathes 3; slicer 1; dryers 3; cold press 1; hot presses 2; maximum press size 5x10 ft.
PERSONNEL: R. A. Neumann, pres. & gen. mgr.; L. R. Allan, sls. mgr.; Warner Carithers, plant supt.

ELMA PLYWOOD CORP.

Elma, Wash.
Telephone: Elma 2521.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 24,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 18,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: Lathe 1; dryers 2; cold press 1; maximum press size 5x5 ft.
PERSONNEL: L. O. Thompson, pres.; J. R. Ladley, sls. & gen. mgr.; H. J. Hoffman, plant mgr. & supt.

EVERETT PLYWOOD & DOOR CORP.

Box 909, Everett, Wash.
Telephone: Alpine 2-4137.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 100,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 100,000,000 sq. ft. Species: 55,000,000 sq. ft. Douglas fir; 15,000,000 sq. ft. hemlock; 1,800,000 sq. ft. Philippine mahogany; 11,000,000 sq. ft. birch; 3,000,000 sq. ft. oak; 1,000,000 sq. ft. other species.
SPECIAL PRODUCTS: Hardwood faced panels; brushed panels; Texture One Eleven; scarfed panels; 2.4.1 panels; sliced veneer panels.
EQUIPMENT: Lathes 2; slicer 1; dryers 4; hot presses 3; maximum press size 4x10 ft.
PERSONNEL: Brice Taylor, pres.; Donald Van, sls. mgr.; Joe Smith, gen. mgr.; Orville Douglas, plant supt.
SALES AGENTS AND BRANCHES: Robinson Plywood & Timber Co.

FARWEST PLYWOOD CO.

2142 East "D" St., Tacoma, Wash.
Telephone: Fulton 3-5533.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 29,000,000 sq. ft. Species: 11,000,000 sq. ft. Douglas fir; 12,000,000 sq. ft. hemlock; 4,000,000 sq. ft. cottonwood; 2,000,000 sq. ft. other species.
SPECIAL PRODUCTS: Plastic or paper overlays: 8,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryer 1; hot presses 2; maximum press size 4x8 ft.
PERSONNEL: George F. Baum, pres. & gen. mgr.; Hill C. Woodard, sls. mgr.; Vince Flannigan, plant supt.; Vince Kretz, veneer plant supt.
SALES AGENTS AND BRANCHES: Rainier Plywood Co.

FORT VANCOUVER PLYWOOD CO.

Vancouver, Wash.
Telephone: OXford 4-3368.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 115,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 95,000,000 sq. ft. Species: 90,000,000 sq. ft. Douglas fir; 500,000 sq. ft. white pine; 4,500,000 sq. ft. spruce.
SPECIAL PRODUCTS: Striated panels 150,000 sq. ft.; Texture One Eleven 275,000 sq. ft.; scarfed panels 600,000 sq. ft.; 2.4.1 panels 175,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 4; cold press 1; hot presses 2; maximum press size 60x120 in.
PERSONNEL: R. N. Kepner, pres.; V. A. Nyman, gen. & sls. mgr.; Elmer T. Brown, plant supt.
SALES AGENTS AND BRANCHES: Vancouver Plywood Co., Vancouver, Wash.

GEORGIA-PACIFIC CORP.

Plant Address: P. O. Box 360, Olympia, Wash.
Home Address: Equitable Bldg., Portland, Ore.
Telephone: FLeetwood 2-4801. Teletype OL 32.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft.
SPECIAL PRODUCTS: Plastic or paper overlays; hardwood faced panels; brushed panels; striated panels; Texture One Eleven; scarfed panels; sliced veneer panels; cut up items.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 60x120 in.
PERSONNEL: R. B. Pamplin, pres.; R. E. Floweree, Jr., vice pres. Western prod.; W. H. Hunt, vice pres. sls.; Jens Jorgenson, gen. mgr.; F. V. Langfitt, Jr., sls. mgr.; C. S. Leonardson, plant mgr.

HARBOR PLYWOOD CORP.

P. O. Box 940, Aberdeen, Wash.
Telephone: 4020. Teletype: 90.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 100,000,000 sq. ft. Species: Douglas fir, Philippine mahogany, white pine.
EQUIPMENT: 2 lathes, 3 dryers, 4 hot presses; maximum press size 60x144 in.
PERSONNEL: Martin N. Deggeller, pres. & gen. mgr.; R. L. Stelzer, sls. mgr.
SALES AGENTS: Harbord Mercantile, Port Dock, Aberdeen, Wash.; Harbor Plywood Corp., 1161 Ridge Avenue, S.W., Atlanta, Ga.; 70 West Lake Street (Northlake), Chicago, Ill.; 511 Baymiller St., Cincinnati, O.; 8600 Sovereign Row, Dallas, Tex.; 6613 Supply Row, Houston, Tex.; 1001 East New York St., Indianapolis, Ind.; 2355 Dennis St., Jacksonville, Fla.; 2800 Supply Ave., Los Angeles, Calif.; 3095 Third St., San Francisco, Calif.; North 34th St. & Fremont, Seattle, Wash.; 802 North Rome Ave., Tampa, Fla.

HARDEL MUTUAL PLYWOOD CORP.

Plant Address: 1210 West Bay Drive, Olympia, Wash.
Home Address: P. O. Box 365, Olympia, Wash.
Telephone: Fleetwood 2-7563.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 42,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: Douglas fir.

Metal Detector *Save Machinery!*
Stop the Accident Before It Happens
Metal detector
SCR-625 Army mine detector
Recommended by U. S. Forestry Service and in numerous articles for finding concealed metal in logs and timber products. The Dautzler Lbr. Co., Perkinston, Miss., reports an estimated savings of $5,000 to $6,000 yearly. Write us for copy of free report of U. S. Forestry Service.
The SCR-625 is a portable instrument which may be used in the field to give an audible indication of buried metal in logs, underground, or in water. It may also be connected permanently with suitable automatic control devices for stopping machinery should imbedded metal in logs be encountered.
Detector is shipped in handy portable carrying case with instructions and ready to operate except for batteries. Ship. wt. 55 lbs. Our recent Government surplus purchase allows the present low price of $79.50 ea.
New set of batteries, per set—$6.27. Special price to quantity users or dealers upon request.
We maintain service and parts of the SCR-625. Parts price list on request.
Used Metal detectors $39.50
ESSE RADIO COMPANY
42 W. South Street Indianapolis 25, Indiana Phone: Melrose 4-8328

Find out how RADER CUTS CONVEYOR COSTS
Write to: Rader Pneumatics, Inc.
1739 N. E. 42nd Ave., Portland 13, Oregon
RADER PNEUMATICS Inc.

EQUIPMENT: Lathe 1; dryers 2; cold press 1; hot press 1; maximum press size 48x96 in.
PERSONNEL: C. C. Willis, pres.; P. J. Watson, gen. & sls. mgr.; Ellis O. Johnson, gen supt.
SALES AGENTS AND BRANCHES: Pacific Mutual Door Co., P. O. Box 1589, Tacoma, Wash.

HOQUIAM PLYWOOD CO., INC.

P. O. Box 737, Hoquiam, Wash.
Telephone: Hoquiam General 9-3060. Teletype: Hoquiam 83.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 33,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 30,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: T. V. Potts, pres.; George F. Hannaford, gen. & sls. mgr.; Eric Penttila, plant supt.
SALES AGENTS AND BRANCHES: Hoquiam Plywood Co., Inc.; Pacific Wood Products Co.

INTERNATIONAL PAPER CO.
Long-Bell Div.
(Under construction)

Chelatchie Prairie, Wash.

INTERNATIONAL PAPER CO.
Long-Bell Div.

Longview, Wash.
Telephone: HA 3-2110. Teletype: 375.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 48,000,000 sq. ft. Species: 43,000,000 sq. ft. Douglas fir; 1,500,000 sq. ft. Philippine mahogany; 3,000,000 sq. ft. birch; 500,000 sq. ft. oak.
SPECIAL PRODUCTS: Plastic or paper overlays: 100,000 sq. ft; hardwood faced panels 5,000,000 sq. ft.; Texture One Eleven 250,000 sq. ft.; cut up items 200,000 sq. ft.; super satin surface plywood.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot press 1; maximum press size 5x10 ft.
PERSONNEL: J. D. Leland, vice pres.; H. G. Kelsey, gen. mgr. Western operations; O. D. Harrington, gen. sls. mgr.; C. N. Babb, plant supt.; T. A. Deal, br. mgr.; F. L. Foval, asst. gen. sls. mgr.; F. N. McCullah-W. C. Ring, plywood sls.
SALES AGENTS AND BRANCHES: International Paper Co., Long-Bell Div., sls. offices in all major cities.

LACEY PLYWOOD CO., INC.

Lacey, Wash.
Telephone: Fleetwood 7-9357.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 48,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 36,000,000 sq. ft. Species: 28,000,000 sq. ft. Douglas fir; 2,000,000 sq. ft. white pine; 6,000,000 sq. ft. hemlock.
EQUIPMENT: Dryers 2; cold press 1; maximum press size 4x8 ft.
PERSONNEL: D. H. Barmore, pres.; R. A. Matott, gen. & sls. mgr.; Roy Edwards, plant supt.
SALES AGENTS AND BRANCHES: Monarch Plywood Sls.

DONALD W. LYLE, INC.

951 Canal St., Tacoma, Wash.
Telephone: Fulton 3-1711.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 20,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 16,000,000 sq. ft. Species: Douglas fir & hemlock.
EQUIPMENT: Lathes 2; dryer 1; hot presses 4; maximum press size 48x96 in.
PERSONNEL: Donald W. Lyle, pres. & sls. mgr.; Jack Strom, plant supt.

MT. BAKER PLYWOOD INC.

2929 Roeder Ave., Bellingham, Wash.
Telephone: RE 3-3960.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 40,000,000 sq. ft. Species: 11,250,000 sq. ft. Douglas fir; 500,000 sq. ft. white pine; 250,000 sq. ft. Philippine mahogany; 11,000,000 sq. ft. cottonwood; 15,500,000 sq. ft. birch; 1,000,000 sq. ft. oak; 500,000 sq. ft. walnut.
SPECIAL PRODUCTS: Hardwood faced panels 17,250,000 sq. ft.; brushed panels 500,000 sq. ft.; scarfed panels 500,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 48x96 in.
PERSONNEL: C. A. Axelson, pres.; F. M. Phillips, Jr., gen. mgr. & sls. mgr.; N. Townsend, plant mgr.; C. Q. Jackson, plant supt.

NORTH PACIFC PLYWOOD, INC.

1549 Dock St., Tacoma, Wash.
Telephone: Broadway 2-1197.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. Species: 48,000,000 sq. ft. Douglas fir; 21,000,000 sq. ft. Philippine mahogany; 10,000,000 sq. ft. birch.
EQUIPMENT: Lathe 1; dryers 3; cold press 1; hot press 1; maximum press size 5x8 ft.
PERSONNEL: Vincent LaVielle, pres.; George Jaynes, gen. & sls. mgr.

NORTHWEST DOOR CO.
Sub. of St. Regis Paper Co.

Plant Address: 1203 East D St., Tacoma, Wash.
Home Address: 150 East 42nd St., New York 17, N. Y.
Telephone: Fulton 3-4321.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 56,500,000 sq. ft. Species: 50,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. Philippine mahogany; 50,000 sq. ft. maple; 4,650,000 sq. ft. birch; 300,000 sq. ft. oak; 500,000 sq. ft. knotty pine.
SPECIAL PRODUCTS: Texture One Eleven 1,500,000 sq. ft.; 2.4.1 panels 30,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot press 1.
PERSONNEL: William R. Adams, pres.; R. L. Ausserer, gen. mgr.; A. J. Foss, plywood plant supt.; C. L. Peterson, asst. mgr.
SALES AGENTS AND BRANCHES: Northwest Door & Plywood Sales, Inc., 1203 E. D St., Tacoma, Wash.

PENINSULA PLYWOOD CORP.

P. O. Box 311, Port Angeles, Wash.
Telephone: Glencourt 7-4421. Teletype PN 83.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 114,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 95,000,000 sq. ft. Species: 66,500,000 sq. ft. Douglas fir; 19,000,000 sq. ft. hemlock; 9,500,000 sq. ft. spruce.
SPECIAL PRODUCTS: Striated panels 2,600,000 sq. ft.; Texture One Eleven 800,000 sq. ft.; 2.4.1 panels 100,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 3; hot presses 3; maximum press size 5x10 ft.
PERSONNEL: Clarence E. Flatau, pres.; Herrick Fox, sls. mgr.; Jess Sinnes, plant supt.
SALES AGENTS AND BRANCHES: U. S. Plywood Corp.

This TRADEMARK of QUALITY will be found only on leading lines of PLYWOOD and PARTICLE BOARD MACHINERY

such as

BURKE E. PORTER MACHINERY CO.
THE CARDWELL MACHINE COMPANY
COLUMBIA PRESSES, LODGE & SHIPLEY CO.
C. F. MACHINERY COMPANY
GREENLEE BROS. & COMPANY
INDUSTRON CORPORATION
LAMB-GRAYS HARBOR COMPANY
LAWRENCE MACHINE & MFG. CO.
MATTISON MACHINE WORKS
NORTHEAST OHIO MACHINE BUILDERS, INC.
ROTHROCK MACHINE COMPANY
SMITHWAY MACHINE COMPANY

TALLMAN MACHINERY CO., Inc.

P. O. BOX 117 LYNNWOOD, WASH. PRospect 8-2161

PUGET SOUND PLYWOOD INC

230 East F Street, Tacoma 2, Wash.
Telephone: Market 7-4111.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 90,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 72,000,000 sq. ft. Species: 66,500,000 sq. ft. Douglas fir; 2,000,000 sq. ft. birch; 1,000,000 sq. ft. knotty pine; 1,000,000 sq. ft. rotary & ribbon mahogany.
SPECIAL PRODUCTS: Brushed panels 500,000 sq. ft.; Texture One Eleven 1,000,000 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 60x120 in.
PERSONNEL: Alfred Anderson, pres.; John H. Martinson, gen. mgr.; Ray A. Johnson, sls. mgr.; A. L. Shepro, plant supt.
SALES AGENTS AND BRANCHES: Bowen-Duvall Co., Inc., Empire State Building, New York, N. Y.; Meyercord Sales Co., P. O. Box 822, Mobile, Ala.; Russell Wiscomb, 2700 Simpson St., Evanston, Ill.

ST. PAUL & TACOMA LBR. CO.
Div. St. Regis Paper Co.

Plant Address: Foot of Jefferson Ave., Olympia, Wash.
Home Address: 1220 St. Paul Ave., Tacoma, Wash.
Telephone: Market 7-6181. Teletype TA 081.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 108,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 95,000,000 sq. ft. Species: 85,000,000 sq. ft. Douglas fir; 2,000,000 sq. ft. white pine; 5,000,000 sq. ft. hemlock; 3,000,000 sq. ft. birch.
SPECIAL PRODUCTS: Plastic or paper overlays: 10,000,000 sq. ft.; hardwood faced panels 3,000,000 sq. ft.; brushed panels 2,000,000 sq. ft.; Texture One Eleven 2,000,000 sq. ft.; scarfed panels 3,000,000 sq. ft.; 2.4.1 panels 750,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 4; hot presses 4; maximum press size 48x96 in.
PERSONNEL: E. G. Griggs, II, pres.; W. R. Garnett, sls. mgr.; Fred Peterson, plant supt.; Arnold Koutonen, gen. mgr.; Cordy Wagner, Jr., asst. gen. mgr.

SIMPSON LOGGING CO.

Plant Address: McCleary, Wash.
Home Address: Shelton, Wash.
Telephone: 2300. Teletype: 41.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 70,000,000 sq. ft. Species: Douglas fir; Philippine mahogany; maple; birch; oak.
SPECIAL PRODUCTS: Hardwood faced panels; Texture One Eleven; scarfed panels; hardboard faced; sliced veneer panels.
EQUIPMENT: Lathes 2; dryers 3; cold press 1; hot presses 2; maximum press size 4x10 ft.
PERSONNEL: H. W. McClary, vice pres.; R. H. Fletcher, sls. mgr.; H. N. Johns, gen. mgr.; D. J. Carstairs, plant mgr.; Henry Hillman, plant supt.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

SIMPSON LOGGING CO.
(formerly Capital Plywood)

Plant Address: Olympia, Wash.
Home Address: Shelton, Wash.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 50,000,000 sq. ft. Species: Douglas fir; white pine; hemlock.
SPECIAL PRODUCTS: 2.4.1 panels.
EQUIPMENT: Dryers 2; cold press 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: H. W. McClary, vice pres.; H. N. Johns, gen. mgr.; R. H. Fletcher, sls. mgr.; Frank Abbott, plant mgr.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

SIMPSON LOGGING CO.

Shelton, Wash.
Telephone: Harrison 6-3381.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. Species: Douglas fir; hemlock.
SPECIAL PRODUCTS: Plastic or paper overlays; 2.4.1 panels.
EQUIPMENT: Lathe 1; dryer 1; hot press 1; maximum press size 5x10 ft.
PERSONNEL: H. W. McClary, vice pres.; H. N. Johns, gen. mgr.; R. H. Fletcher, sls. mgr.; J. H. Gilliland, plant mgr.; John Rebman, plant supt.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

STEVENSON CO-PLY, INC.

Stevenson, Wash.
Telephone: 3512, 3522.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 44,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 44,000,000 sq. ft. Species: 1,000,000 sq. ft. white pine.
SPECIAL PRODUCTS: Texture One Eleven 1,000,000 sq. ft.; 2.4.1 panels 400,000 sq. ft.; cut up items 400,000 sq. ft.
EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Frank C. Lahmann, pres.; J. H. Waters, gen. mgr.; Leonard Fields, plant supt.
SALES AGENTS AND BRANCHES: Harbor Plywood Corp., Aberdeen, Wash.

THREE RIVERS PLYWOOD & TIMBER CO.

Darrington, Wash.
Telephone: Darrington Hemlock 6-3461, 6-3471, 6-3481; Everett, Alpine 2-5701.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 45,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 38,000,000 sq. ft. Species: 9,000,000 sq. ft. Douglas fir; 29,000,000 sq. ft. hemlock.
SPECIAL PRODUCTS: 2.4.1 panels 300,000 sq. ft.
EQUIPMENT. Lathes 2; dryer 1; hot press 1; maximum press size 4x8 ft.
PERSONNEL: Robert Jones, pres.; Leo K. Cummins, gen. mgr. & sls. mgr.; George Morris, plant supt.

UNITED STATES PLYWOOD CORP.

Plant Address: P. O. Box 5125, Ballard Station, Seattle 7, Wash.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Atwater 3-8800. Teletype: SE 409.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 75,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 67,000,000 sq. ft.
SPECIAL PRODUCTS: Plastic or paper overlays: 7,000,000 sq. ft; hardwood faced panels 30,000,000 sq. ft.; striated panels 3,000,000 sq. ft.; scarfed panels 6,000,000 sq. ft.
EQUIPMENT: Lathes 2; slicers 2; dryers 5; hot presses 4; maximum press size 60x120 in.
PERSONNEL: Gene C. Brewer, pres.; O. Harry Schrader, gen. mgr.; R. L. Heustis, sls. mgr.; Merle Miller, plant mgr.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

WASHINGTON PLYWOOD CO., INC.

Plant Address: Lowell, Wash.
Home Address: P. O. Box 746, Everett, Wash.
Telephone: Alpine 9-5131.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 47,782,336 sq. ft. Species: 42,771,610 sq. ft. Douglas fir; 2,412,428 sq. ft. hemlock; 2,598,298 sq. ft. cottonwood.
SPECIAL PRODUCTS: Plastic or paper overlays: 7,322,508 sq. ft.
EQUIPMENT: Lathes 2; dryers 3; hot presses 2; maximum press size 60x120 in.
PERSONNEL: R. E. Walton, Sr., pres.; T. F. Goodson, gen. mgr. & vice pres.; R. N. Stormo, sls. mgr.; Basil Funk, plant supt.

WEST COAST PLYWOOD CO.

Aberdeen, Wash.
Telephone: GE 9-3731.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 70,000,000 sq. ft. 1959 estimated production (3/8-inch basis) 55,000,000 sq. ft. Species: 50% Douglas fir; 50% hemlock.
SPECIAL PRODUCTS: Plastic or paper overlays: 1,000,000 sq. ft.
EQUIPMENT: Lathes 3; dryers 4; hot presses 3; maximum press size 6x12 ft.
PERSONNEL: A. R. Wuest, pres.; A. R. Welch, gen. mgr.; D. K. Stubberfield, plant supt.

WEYERHAEUSER CO.

Plant Address: Longview, Wash.
Home Address: Tacoma, Wash.
Telephone: Hamilton 5-2150.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 75,000,000 sq. ft. Species: Douglas fir.
SPECIAL PRODUCTS: scarfed panels.
EQUIPMENT: Lathes 2; dryers 2; hot presses 2; maximum press size 60x120 in.
PERSONNEL: W. H. Robertson, plant mgr.; L. H. Coplen, plant supt.

WEYERHAEUSER CO.

Plant Address: Snoqualmie Falls, Wash.
Home Address: Tacoma, Wash.
Telephone: Turner 8-2511.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 60,000,000 sq. ft. Species: Hemlock.
EQUIPMENT: Lathe 1; dryers 2; hot press 1; maximum press size 48x96 in.
PERSONNEL: F. K. Weyerhaeuser, pres.; Clay L. Archer, plant supt.; H. E. Morgan, Jr., plant mgr.

WISCONSIN

WALWORTH PLYWOOD CO.

P. O. Box 367, Walworth, Wis.
Telephone: 6801 & 6811.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 40,000,000 sq. ft. 1959 estimated production (3/8-inch basis) start week of Nov. 23, 1959. Species: Douglas fir.
EQUIPMENT: Cold press 1; maximum press size 60x120 in.
PERSONNEL: Earl M. Spiro, pres. & gen. mgr.

WESTERN SPECIALTY PLANTS

BEATY LAMINATED, LTD.

1340 River Rd., Richmond, Vancouver, B. C.
Telephone: CR 8-1293.
SPECIAL PRODUCTS: 3,000,000 hardwood faced panels of Philippine mahogany, birch and oak, with fir or poplar core, faced only.
EQUIPMENT: 2 hot presses.
PERSONNEL: John D. Beaty, pres. & gen. mgr.; James K. Greenhill, plant mgr.

C. P. I. VENEERS

Central Building, Seattle, Wash.
Telephone: Main 2-4240.
PRODUCT: Specialty faced veneers.

COASTAL VENEERS, INC.
(formerly Timberline, Inc.)

P. O. Box 502, Crescent City, Calif.
Telephone: IN 4-4221.
SPECIAL PRODUCTS: Sliced madrone veneer; vertical grain fir, redwood, western hardwoods.
EQUIPMENT: Slicer; clipper; grinder; dryer.
PERSONNEL: Neil Malarkey, pres.; Peter H. Koehler, gen. sls. & plant mgr.; Ray Stiles, plant supt.
SALES AGENTS: C. P. I. Veneers, Inc., Central Building, Seattle, Wash.; C. P. I. Veneers, P. O. Box 5931, Milwaukie 22, Ore.

COLUMBIA LAMINATING CO.

P. O. Box 758, 3910 N. Suttle Road, North Portland, Ore.
Telephone: Avenue 6-3688.
PRODUCTS: Manufacturers of plywood components; solid core institutional doors; fire doors; specialty hot pressed overlays.
EQUIPMENT: 2 hot presses.
PERSONNEL: Theodore Nicolai, pres.; S. L. Michael, gen. & plant mgr.
SALES AGENTS: Coast to Coast Enterprises, Inc., 140 East Hartsdale Ave., Hartsdale, N. Y.; William C. Shea, Box 7024, Denver 6, Colo.

ENGINEERED PLYWOOD INC.

Home Address: 1411 N.E. 10th St., Grants Pass, Ore.
Plant Address: 117 S.E. Mill St., P. O. Box 123, Grants Pass, Ore.
Telephone: Greewood 6-6214.
SPECIAL PRODUCTS: Hercules pallets, cable reels, bulk storage bins, lub boxes, fencing, shiplapped and T&G sheathing, industrial flooring, table tennis, Plyron, Lum-Core-panels, Texture 1-11.
EQUIPMENT: All new equipment to handle Texture 1-11, shiplap, tongue and groove and V grooving of panels, 8, 9, 10 ft. long. Can handle all types of cutting to size, shaping and drilling. Custom machine for jobbers.
PERSONNEL: Morris Milbank, pres.; David S. Betcone, gen. & sls. mgr.; Russ Harlader, plant mgr. and supt.

GENERAL VENEER MANUFACTURING CO.

8652 Otis Street, P.O. Box 271, South Gate, Calif.
Telephone: LOrain 4-2661. Teletype: LA 1313.
SPECIAL PRODUCTS: Architectural hardwood and softwood plywood; aircraft plywood; flush doors; cupboard and cabinet doors; balsa wood; seven other custom specialties.

EQUIPMENT: 5 hot presses; 4 cold presses; 2 high frequency machines; 1 plycone machine; maximum press sizes 60x204 in. and 74x150 in.
PERSONNEL: D. H. DeWitt, pres.; E. J. Vivian, dir. of sls.; R. V. DeWitt, plant mgr.

HYGRADE HARDWOOD VENEERS
P. O. Box 204, Olympia, Wash.
Telephone: FL 7-3246.
SPECIAL PRODUCTS: Single ply veneers, edge glued to panel sizes, birch, oak, ash, maple, mahogany.
EQUIPMENT: 4 splicers; 2 jointers; 2 clippers.
PERSONNEL: Elmer Johnson, pres. & gen. mgr.

IDAHO VENEER CO.
Post Falls, Ida.
Telephone: Murray 2-3981.
SPECIAL PRODUCTS: Sliced knotty Idaho white pine veneer, knotty Idaho red cedar, clear white pine, vertical grain larch and vertical grain cedar; rotary cut veneers in pine, fir, larch, hemlock, dry as well as green; random width stock, also spliced; also manufacturers of lumber.
EQUIPMENT: 1 slicer; 1 lathe; 1 dryer.
PERSONNEL: John F. Gregor, pres. & gen. mgr.; Leonard A. Malloy, sls. mgr. & plant mgr.; Robert W. Malloy, plant supt.
SALES AGENCIES: Home office, Post Falls, Ida.

PASQUIER PANEL PRODUCTS, INC.
(formerly Willard V. Young Co.)
Home Address: P. O. Box 115, Sumner, Wash.
Plant Address: Tacoma & Hubbard Sts., Sumner, Wash.
Telephone: University 3-6323. Teletype: Sumner 149.
SPECIAL PRODUCTS: Fabrication of fir plywood, hardboard, flakeboard, chipboard, etc., to custom sizes.
PERSONNEL: Michel Pasquier, pres.; Charles Pasquier, gen. mgr.; Stewart Brown, sls. mgr.; Gerald Kreuger, plant mgr.; Joe Carlson, plant supt.

PLYWOOD FABRICATORS, INC.
P. O. Box 156, Redwood Valley, Calif.
Telephone: Homestead 2-8816. Teletype: Ukiah 73.
SPECIAL PRODUCTS: One-piece trailer bottoms; plywood box shook; custom textured paneling.
PERSONNEL: T. T. Stolesen, pres.; Edward Stolesen, gen. & plant mgr.; Uly Sonulo, plant supt.

PLYWOOD PRODUCTS CO., INC.
1346 Railroad St.
Corona, Calif.
Home Address: Ft. Wayne, Ind. (See complete listing under Eastern Specialty Plants.)

PRE-CUT PLY CORP.
Plant Address: Copeland & D St., Petaluma, Calif.
Home Address: 628 Prospect St., Petaluma, Calif.
Telephone: Porter 3-1830.
PRODUCTS: Cut to size plywood; plywood bins; pallets; redwood planters.
PERSONNEL: H. C. Ellingwood, pres. & gen. mgr.; L. A. Wiklund, sls. mgr.

RAINIER PLYWOOD CO.
2142 East D, Tacoma, Wash.
Telephone: Fulton 3-5533.
SPECIAL PRODUCTS: Richlite Plastic Overlay.
EQUIPMENT: 3 impregnating units.
PERSONNEL: George F. Baum, pres. & gen. mgr.; Richard Rose, chemical research; John Cowman, product development.

ROYMAC, INC.
6107 S. Central Ave., Los Angeles, Calif.
Telephone: AD 3-5237.
SPECIAL PRODUCTS: Printed panels; Forest plank; etchwall.
PERSONNEL: C. T. McElroy, pres.; David M. Nero, gen. mgr.; Earl D. Kennedy, plant supt.

SPLICED VENEERS, INC.
North Washington & C St., P. O. Box 1110, Olympia, Wash.
Telephone: FL 2-9821.
SPECIAL PRODUCTS: Splicing all specialty woods, birch, knotty pine, mahogany, ash and others.
EQUIPMENT: 1 jointer; 1 splicer; 1 clipper.
PERSONNEL: Paul E. Smith, pres. & gen. mgr.

SUPERIOR SPLICED VENEERS, INC.
Home Address: P.O. Box 5931, Milwaukie 22, Ore.
Plant Address: 13345 S.E. Ambler Rd., Milwaukie 22, Ore.
Telephone: Olive 4-8641.
SPECIAL PRODUCTS: Custom splicing domestic and foreign veneers up to and including 10 ft. lengths.
EQUIPMENT: 2 splicers; 1 jointer; 1 clipper; 1 size saw; 1 plate dryer.
PERSONNEL: Adolph W. Gauthier, pres. & gen. mgr.

TREECO VENEERS INC.
Terminal No. 2, Vancouver, Wash.
Telephone: Oxford 4-8423.
SPECIAL PRODUCTS: Spliced hardwood veneers, all domestic and imported species.
EQUIPMENT: 4 splicers.
PERSONNEL: George J. Cassarno, pres.; W. L. Havens, Jr., vice pres.; Gene Gronenthal, plant mgr.
SALES AGENTS: Treeco Sales Corp.

WELSH PANEL CO.
Panel Way, Longview, Wash.
Telephone: Hamilton 5-6080.
SPECIAL PRODUCTS: Prefinished hardwood plywood; prefinished fir plywood; grain printing.
PERSONNEL: Thomas J. Welsh, pres.; Bill Shelly, sls. mgr.; Paul Pellerin, plant mgr.

VENEER
is our business
•
BALANCED PRODUCTION
•
Centers, Core and Face Stock
Dry and Green
•
Oregon, Washington
California & Canadian
Mills

BENNETT Veneer Factors, Inc.
201 Jackson Tower
YUkon 6-1758
Portland 5, Ore. CA 2-9678
San Francisco 4, Cal.

WESTERN VENEER PLANTS

BRITISH COLUMBIA

BRITISH COLUMBIA FOREST PRODUCTS LTD.
Plant Address: Youbou, B. C.
Home Address: 995 West 6th Ave., Vancouver 9, B. C.
Telephone: Evergreen 5-3331 (Victoria).
ANNUAL CAPACITY: (1/8-inch basis) 147,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: C. D. Dickey, Jr., pres.; W. H. Pumfrey, sls. mgr.; C. W. Potter, plant supt.; D. E. Lane, gen. mgr.; R. Humphreys, plant mgr.
SALES AGENTS AND BRANCHES: MacMillan & Bloedel Limited, 1199 West Pender, Vancouver, B. C.

FULLERTON VENEER & PLYWOOD CO.
(Not operating)
Plant Address: Ft. Fell Ave., North Vancouver, B. C.
Home Address: P. O. Box 100, North Vancouver, B. C.
Telephone: YU 8-4111.
PERSONNEL: J. G. Fullerton, pres.; G. G. C. King, gen. mgr.; J. G. O'Hagan, sls. mgr.

MT. BAKER PLYWOOD, LTD.
P. O. Box 40, New Westminster, B. C.
Telephone: LA 2-5788.
ANNUAL CAPACITY: (1/8-inch basis) 120,000,000 sq. ft. Species: Douglas fir.
EQUIPMENT: 1 lathe.
PERSONNEL: Clarence Flatau, pres.; B. H. Gunning, vice pres. & managing dir.; V. R. Stark, plant mgr.

CALIFORNIA

CONIFER WOOD PRODUCTS
P. O. Box 529, Auburn, Calif.
Telephone: TU 5-6291.

ERICKSON LUMBER & VENEER CO.
(to be in production in Dec. 1959)
Plant Address: Briceland, Calif.
Home Address: Garberville, Calif.
ANNUAL CAPACITY: Designed for 60,000,000 sq. ft. 3/8-inch.
EQUIPMENT: Lathe 1.

GRANTS PASS PLYWOOD INC.
(formerly Cal-Ore. Veneer Inc.)
Rt. 1, Box 631, Crescent City, Calif.
Telephone: 7761.
ANNUAL CAPACITY: (1/8-inch basis) 60,000,000 sq. ft. Species: 55,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. spruce.
EQUIPMENT: 1 lathe.
PERSONNEL: F. A. Johnson, pres.; Freeman Tollefson, res. mgr.; L. V. St. Onge, sls. mgr.; Ed Knowlton, plant foreman.
SALES AGENTS: Plywood & Veneer Sales Co., Grants Pass, Ore.

GUALALA VENEER CO.
Gualala, Calif.
Telephone: Tuxedo 4-3523.

APCO *for* QUALITY

★ DOUGLAS FIR PLYWOOD Interior Exterior
★ SUPERIOR BOAT HULL GRADE
★ SCARFED LONG-LENGTHS
★ WESTERN POPLAR Exterior Sheathing
★ TEXTURE ONE-ELEVEN

★ BIRCH (Natural, Red, White)
★ OAK (R/C Red, Sliced Red, Sliced White, Rift Grain)
★ ASH (White, Calico, Brown)
★ WALNUT (Plain Sliced)
★ PHILIPPINE MAHOGANY (Rotary, Ribbon)
★ CHERRY (Plain Sliced)
★ MAPLE (Eastern)
★ WESTERN CHERRY (Plain Sliced Madrone)
★ KNOTTY INLAND CEDAR
★ KNOTTY IDAHO PINE

HARDWOOD FACED PANELS MANUFACTURED WITH SOLID AND JOINTED INNER-PLIES AND GRADE MARKED ACCORDINGLY

The best from Aberdeen

Plywood and Veneers, Inc.

APCO HOT PRESS

Phone LEnox 2-2330
TWX AB 79
P. O. BOX 1036

PRODUCERS OF DFPA TESTED QUALITY FIR PLYWOOD

DIAMOND LUMBER CO. reports...

"We Sand and Polish 14 Door Skins per Minute!"*

TIMESAVER SPEEDBELT SANDERS

There's a TIMESAVER Sander for every job!

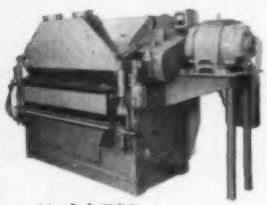
*That's the amazing production report made by E. R. Knokey, General Mgr., Plywood Div. of the Diamond Lumber Co., Tillamook, Oregon. Here's the story:

"The line of Timesaver Model TOP Speedbelt Sanders that we have installed are used primarily for sanding door skins. The skins are mostly 3 ply plywood made from Rotary Phillipine Lauan and range in size from 18" to 48" in width and from 72" to 82" in length. We sand and polish approx. 14 door skins per min. and do an excellent job."

When not running door skins, Diamond Lumber uses the Timesaver line to sand hardwood plywood panels which are normally ¼" to ¾" thick and 4x8 ft. in size. Woods in this category are Mahogany, Walnut, Cedar, Ash and various other hardwood species. Results on these materials are also excellent.

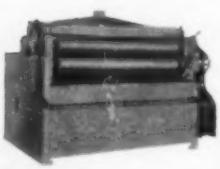
Other manufacturers such as *Anacortes Veneer, Inc.* and *Aberdeen Plywood and Veneers, Inc.* are also using Timesaver "Speedbelt" Sanders in their finishing operations. These are only a few of the many Timesaver installations where manufacturers are achieving savings in labor and materials while producing the desired top quality finishes. Whether your production requirements call for a single machine or a series set-up, you, too can enjoy the advantages of wide abrasive belt sanding at a minimum cost.

Write Today . . . get the facts and the figures on how the amazing Timesaver "Speedbelt" Sander can do your job . . . better and at less cost.



Model TOP

Available in belt widths of 24", 36", 50" and 54". Sanding action is overhead.



Model SPL

Available in belt widths of 24", 36" and 50". Sanding action is for underside of work.

Pioneers in Wide Belt Sanding for the Woodworking Industry

TIMESAVER SANDERS

Dept. E-5 Box 7448 • Robbinsdale Station • Minneapolis 22, Minn.

HOOPA VENEER CO.
Hoopa, Calif.
Telephone: National 5-4230.
ANNUAL CAPACITY: (⅛-inch basis) 180,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Sam K. Arness, pres. & gen. mgr.; Harold Ranta, sls. mgr.; Eric Bork, plant supt.

LINDROTH TIMBER PRODUCTS
Fort Seward, Calif.
Telephone: Garberville 222.
ANNUAL CAPACITY: (⅛-inch basis) 144,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: S. Lindroth, pres.; Eric H. Engstrom, gen. mgr. & sls. mgr.; W. E. Kimberling, plant supt.

MEDFORD VENEER & PLYWOOD CORP.
Crescent City Div.
Elk Valley Rd., P. O. Box 636, Crescent City, Calif.
Telephone: Ingersoll 4-4822.
ANNUAL CAPACITY: (⅛-inch basis) 200,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1; maximum press size 4x8 ft.
PERSONNEL: Vernon Ego, res. mgr.; Vincent Jones, log. mgr.

ORLEANS VENEER & LUMBER CO.
Plant Address: Orleans, Calif.
Home Address: P. O. Box 427, Arcata, Calif.
Telephone: Vandyke 2-0335. Teletype: Arcata 94.
ANNUAL CAPACITY: (⅛-inch basis) 180,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: A. Rochlin, pres.; Larry Rochlin, gen. mgr.; Wilbur Butts, plant mgr.

THE PACIFIC COAST CO.
Plant Address: Leggett, Calif.
Home Address: P. O. Box 8, Sonoma, Calif.
Telephone: Leggett 480.
ANNUAL CAPACITY: (⅛-inch basis) 180,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Hugh J. Jacks, pres.; A. W. Agnew, vice pres. & gen. mgr.; Wayne Calder, Jr., plant supt.; Geo. W. Karlson, plant mgr.

PLYWOOD CORP. OF AMERICA
Plant Address: Manchester, Calif.
Home Address: 8410 Amelia St., Oakland, Calif.
EQUIPMENT: Lathes 2.
PERSONNEL: Wally Bushberg, pres.; Norman Bushberg, gen. mgr.; Henry Cohen, sls. mgr.; Leonard Lane, office mgr.; Clifford Kirk, plant supt.

ROCHLIN VENEER & PLYWOOD CO.
Plant Address: Willow Creek, Calif.
Home Address: P. O. Box 427, Arcata, Calif.
Telephone: Vandyke 2-0335. Teletype: Arcata 94.
ANNUAL CAPACITY: (⅛-inch basis) 200,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: A. Rochlin, pres.; Larry Rochlin, gen. mgr.; Jim Kinsey, plant mgr.

SIMPSON REDWOOD CO.
Plant Address: Klamath, Calif.
Home Address: P. O. Box 127, Arcata, Calif.
Telephone: VanDyke 2-0371.
ANNUAL CAPACITY: (⅛-inch basis) 300,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: Gordon Manary, vice pres.; G. L. Oswald, gen. mgr.; Coady Craddick, plant supt.; J. E. Elliott, plant mgr.

TRINITY ALPS LUMBER CO.
Hayfork, Calif.
Telephone: Madison 8-5464.
ANNUAL CAPACITY: (⅛-inch basis) 93,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Walter Johnson, pres.; Charles Gray, gen. mgr.; Ott Evde, sls. mgr.; Harry B. Oatman, plant mgr.; Tom Flemming, plant supt.

UNION LUMBER CO.
Plant Address: Fort Bragg, Calif.
Home Address: 620 Market St., San Francisco, Calif.
Telephone: Sutter 1-6170.
ANNUAL CAPACITY: (⅛-inch basis) 114,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: C. Russell Johnson, pres.; John H. Gray, gen. mgr.; H. Pierson Plummer, plant

mgr.; Sherman A. Bishop, sls. mgr.; Howard H. Hdye, plant supt.

WEST COAST VENEER CO.

New No. 101 Highway, P. O. Box 81, Crescent City, Calif.
Telephone: Ingersoll 4-3011.
ANNUAL CAPACITY: (⅛-inch basis) 108,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: 2 lathes; 1 slicer.
PERSONNEL: Axel I. Lund, pres.; Orvil Morris, plant supt.

WILLAMETTE PLYWOOD CORP.

Happy Camp, Calif.
ANNUAL CAPACITY: (⅛-inch basis) 120,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Harold Leevers, pres.; Victor Dusenberry, plant supt.; M. L. Hopkins, plant mgr.

YREKA VENEER INC.
(Purchased by Carolina Pacific of Medford)

Plant Address: Happy Camp, Calif.
ANNUAL CAPACITY: (⅛-inch basis) 25,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: B. D. Mitchell, pres.; John Colucie, sls. mgr.; Ted Stevens, plant supt.

OREGON

ANACORTES VENEER, INC., Oregon Div.

Plant Address: Sandy, Ore.
Home Address: Anacortes, Wash.
Telephone: Mutual 7-6191 (Sandy).
ANNUAL CAPACITY: (⅛-inch basis) 120,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Earl V. Cheldelin, pres.; T. L. Bentley, gen. mgr.; Roman Gill, plant supt.; Eldon H. Shelley, plant mgr.

BENTON TIMBER PRODUCTS CORP.

Box 506, Philomath, Ore.
Telephone: Waverly 9-3017.
ANNUAL CAPACITY: (⅛-inch basis) 72,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1.
PERSONNEL: Donald E. Johnson, pres., gen. & sls. mgr.; Doral Daubenspeck, plant supt. & plant mgr.

BLUE RIVER VENEER INC.

Blue River, Ore.
PERSONNEL: Everett Armstrong; Forrest Solomon.
In operation about November 1959.

CAMAC VENEER INC.
(formerly Campbell & McLean Inc.)

Plant Address: Eugene, Ore.
Home Address: 199 North Bertelsen Rd., Eugene, Ore.
ANNUAL CAPACITY: (⅛-inch basis) 14,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: George A. Campbell, pres.; Leonard C. Nelson, exec. vice pres. & gen. mgr.; Vernon E. Kilpatrick, sls. mgr.; Cletus Tegner, plant supt.

CAMAC VENEER, INC.
(formerly Campbell & McLean Inc.)

Plant Address: Gold Beach, Ore.
Home Address: 199 N. Bertelsen Rd., Eugene, Ore.
Telephone: DI 5-0577.
ANNUAL CAPACITY: (⅛-inch basis) 14,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: George A. Campbell, pres.; Leonard C. Nelson, exec. vice pres. & gen. mgr.; Vernon E. Kilpatrick, sls. mgr.; Cletus Tegner, plant supt.

CASCADES PLYWOOD CORP.

Reedsport, Ore.
ANNUAL CAPACITY: (⅛-inch basis) 450,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2; maximum press size 48x96 in.
PERSONNEL: C. W. Fox, pres.; Don Baxter, gen. mgr.

"HASCO"

TIMESAVER SPEEDBELT SANDERS ...on the job!

Another INSTALLATION BY J. E. HASELTINE & CO.

Our sales representative will be glad to call on you to discuss how you can increase your profit through savings in labor and materials and maintain high quality finishes.

OTHER LINES STOCKED AND DISTRIBUTED:

Steel
Jenkins Valves
3-M Coated Abrasives
Carborundum Grinding Wheels
Fasteners
Starrett & Lufkin Precision Tools
Chisholm-Moore Hoists
Williams Hand Tools
AIM Slotted Angle
Thor Air and Electric Tools
Carboloy
Chicago-Latrobe Drills and Reamers
G.T.D. and Geometric Taps and Dies
Milford Saw Blades
Boston Gear Products
Dayton V-Belts
Republic Rubber Products
A. O. Smith Rods and Machines
Stoody Hard Rods
Victor Acetylene Equipment
Willson Safety Equipment
Hasco Working Lifejackets
Medical Supply Co. First Aid Kits
3-M Industrial Tapes
R. Hoe & Co. Saws
Keystone Specialized Lubricants
Skil

J. E. HASELTINE & COMPANY

115 S. W. 2nd Ave.
Portland 4, Oregon
CA 8-7511

510 1st Ave. So.
Seattle 4, Wash.
MA 4-0626

N. 1101 Division St.
Spokane 1, Wash.
FA 7-4448

CONRAD VENEER INC.
Plant Address: Lower Boones Ferry Rd. & S.W. Childs Rd., Portland, Ore.
Home Address: Box 288, Tualatin, Ore.
Telephone: MErcury 9-1101.
ANNUAL CAPACITY: (1/16-inch basis) 12,500,000 to 37,500,000 sq. ft. Species used: Douglas fir, redwood, white pine, hemlock, spruce, maple, birch, oak.
EQUIPMENT: Slicer 1; dryer 1; maximum press size 20x50 in.
PERSONNEL: J. Henry Conrad, pres.; John Dietrich, vice pres.; Stan Muessle, sec.; Bob L. McEvers, gen. mgr.

COQUILLE VALLEY LUMBER CO.
Plant Address: Paris, Ore.
Home Address: Alsea, Ore.
Telephone: Jackson 8-3285 & Jackson 8-3110, Tidewater, Ore.
ANNUAL CAPACITY: (⅜-inch basis) 216,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: Noble H. Chowning, pres.; A. V. Haslett, gen. mgr.; Wayne Haslett, sls. mgr.; Jimmy Phenney, plant supt.; Leon Guggenbickler, plant mgr.

CRATER PLYWOOD INC.
Rogue River, Ore.
PERSONNEL: R. E. Nealy, pres. & gen. mgr.
Under construction.

CRESPLY VENEER
(formerly Hub City Plywood Corp.)
P. O. Box 37, Creswell, Ore.
Telephone: Twilight 5-2241.
ANNUAL CAPACITY: (⅜-inch basis) 75,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Bob Sandstrom, plant supt.

CROWN ZELLERBACH CORP.
Plant Address: St. Helens, Ore.
Home Address: Public Service Bldg., Portland, Ore.
Telephone: St. Helens 1180.
ANNUAL CAPACITY: (⅜-inch basis) 450,000,000 sq. ft. Species used: Douglas fir; hemlock.

EQUIPMENT: Lathes 2.
PERSONNEL: Reed Hunt, pres.; R. V. Harkema, gen. mgr.; H. E. Bowman, plant supt.

D L VENEER CO.
Rt. 2, Box 38, McMinnville, Ore.
Telephone: 5303.
ANNUAL CAPACITY: (⅜-inch basis) 20,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Lowell Sexton and Dale Sexton.

DIAMOND LUMBER CO.
Plant Address: Estacada, Ore.
Home Address: 323 Pittock Block, Portland, Ore.
Telephone: CApitol 2-9805, Portland; CRestwood 9-3281, Estacada.
ANNUAL CAPACITY: (⅜-inch basis) 135,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Roy A. Gould, pres.; Morris Sholten, plant supt.

THE ROBERT DOLLAR CO.
Plant Address: Glendale, Ore.
Home Address: 311 California St., San Francisco, Calif.
Telephone: Vernon 2-5810. Teletype: 39.
ANNUAL CAPACITY: (⅜-inch basis) 243,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: T. H. Mehl, Jr., vice pres. in charge; J. L. Taylor, day plant supt.; G. S. Antich, night plant supt.
SALES AGENTS AND BRANCHES: Bennett Veneer Factors.

DOUGLAS VENEER CO.
Plant Address: Dixonville, Ore.
Home Address: P. O. Box 1091, Roseburg, Ore.
Telephone: OS 9-8741. Teletype: RS 33.
ANNUAL CAPACITY: (⅜-inch basis) 360,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: C. H. Pearson, pres.; K. W. Ford, gen. mgr.; Wilson Garton, plant supt.

EDWARDS BROS. CONSTRUCTION CO.
Plant Address: East Albany, Ore.
Home Address: P. O. Box 487, Albany, Ore.
Telephone: Wabash 6-2270.
ANNUAL CAPACITY: (⅜-inch basis) 50,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Allen Edwards, Sr., pres.; M. B. Edwards, gen. and sls. mgr.; Thomas Buchanan, plant mgr.

EUGENE PLYWOOD CO.
Glide, Ore.
ANNUAL CAPACITY: (⅜-inch basis) 60,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: Hayden Hastings, pres. & gen. mgr.; Harlan Jones, plant supt.

EUGENE STUD AND VENEER, INC.
Box 389, Eugene, Ore.
Telephone: DI 4-1474. Teletype: EG 119.
ANNUAL CAPACITY: (⅜-inch basis) 90,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: M. S. Fredrickson, pres., mgr. & sls. mgr.; W. T. Brown, plant supt.

EVANS PRODUCTS CO.
Plant Address: Box 68, Euchre Creek, Ore.
Home Address: P. O. Box 839, Coos Bay, Ore.
Telephone: Cherry 7-2273.
ANNUAL CAPACITY: (⅜-inch basis) 175,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: E. S. Evans, Jr., pres.; C. J. Short, vice pres. & gen. mgr.; W. J. Ritchie, sls. mgr.; R. G. Extra, asst. sls. mgr.; Don Prohaska, plant mgr.; D. C. Wood, prod. mgr.; H. W. Bullard, chief engineer.

EVANS PRODUCTS CO.
Plant Address: Box 68, Gold Beach, Ore.
Home Address: P. O. Box 839, Coos Bay, Ore.
Telephone: Cherry 7-2111; 7-2101.
ANNUAL CAPACITY: (⅜-inch basis) 175,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: E. S. Evans, Jr., pres.; C. J. Short, vice pres. & gen. mgr.; W. J. Ritchie, sls. mgr.; D. C. Wood, prod. mgr.; Don Prohaska, plant mgr.; R. G. Extra, asst. sls. mgr.; H. W. Bullard, chief engineer.

FRERES VENEER CO.
Lyons, Ore.
Home Address: 310 Terminal Sls. Bldg., Portland, Oregon.
Mr. T. G. Freres, pres.

HULT PLYWOOD CO.
Plant Address: Horton, Ore.
Home Address: Junction City, Ore.
ANNUAL CAPACITY: (⅜-inch basis) 150,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Nils B. Hult, pres.; A. E. Wall, sls. mgr.; W. E. Lydston, plant supt.

JONES VENEER & PLYWOOD CO.
(formerly Lane Veneer Co.)
Eugene, Ore.
Telephone: DI 5-2381.
ANNUAL CAPACITY: (⅜-inch basis) 96,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: Marion Q. Jones, pres.; Nick Daviscourt, gen. mgr.; H. R. Harder, plant supt.

KOGAP MANUFACTURING CO.
P. O. Box 1268, Medford, Ore.
Telephone: SP 3-6601. Teletype: MF 143.
ANNUAL CAPACITY: (⅜-inch basis) 90,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: S. V. McQueen, pres. & gen. mgr.; Jerry Lausmann, sls. mgr.; C. X. Heffner, plant mgr.

MIAMI VENEER CO.
P. O. Box 288, Tillamook, Ore.
Telephone: VI 2-4428.
ANNUAL CAPACITY: (⅜-inch basis) 38,000,000 sq. ft. Species: 10,000,000 sq. ft. Douglas fir; 14,000,000 sq. ft. hemlock; 14,000,000 sq. ft. spruce.
EQUIPMENT: Lathe 1.
PERSONNEL: Orin W. Rosenberg, pres. & gen. mgr.; Robert Carroll, sls., plant mgr. & plant supt.
SALES AGENTS: Plywood Mill Veneer, Inc., Seattle, Wash.

MONROE LBR. CO., INC.
Plant Address: Riddle, Ore.
Home Address: P. O. Box 868, Eugene, Ore.
Telephone: DI 4-3228. Teletype: EG 107.
ANNUAL CAPACITY: (⅜-inch basis) 145,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: M. C. Storms, pres. & gen. mgr.; E. J. Eberdt, sls. mgr.; J. G. Willener, plant supt.

NATIONAL PLYWOOD INC.
(formerly Umpqua Plywood Corp.)
Plant Address: Tiller, Ore.
Home Address: P. O. Box 170, Roseburg, Ore.
ANNUAL CAPACITY: (⅜-inch basis) 72,000,000 sq. ft.
EQUIPMENT: Lathes 3.
PERSONNEL: Adrain J. Standley, pres. & gen. mgr.; George Rittenhouse, plant supt.

NORDIC VENEERS, INC.
Plant Address: Roseburg, Ore.
Home Address: Box 746, Sutherlin, Ore.
Telephone: 2232. Teletype: Oak-63.
ANNUAL CAPACITY: (⅜-inch basis) 140,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: J. R. Adams, pres. & sls. mgr.; N. H. Jacobson, plant mgr.; Vernon Brenden, plant supt.

NORPLY VENEER CORP.
P. O. Box 97, Norway, Ore.
Telephone: Myrtle Point 1441.
ANNUAL CAPACITY: (⅜-inch basis) 252,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Leo Foy, plant mgr.; Con Driscoll, plant supt.

NORTH SANTIAM VENEER, INC.
P. O. Box 428, Idanha, Ore.
Telephone: Detroit 191.
ANNUAL CAPACITY: (⅜-inch basis) 200,000,000 sq. ft. Species: Douglas fir and hemlock.
EQUIPMENT: Lathe 1.
PERSONNEL: Milo Harris, pres. & gen. mgr.

OLYMPIC MANUFACTURING CO.
Div. of the Dean Co.
Plant Address: 519 N.W. 10th Dr., P. O. Box 426, Gresham, Ore.
Home Address: 427 W. Randolph St., Chicago 6, Ill.
Telephone: Mohawk 5-2161. Teletype: GR 95.
PERSONNEL: T. J. Connelly, pres. (Chicago); J. S. Vaughan, gen. mgr. & vice pres.; J. W. Goldston, sls. mgr.; W. P. Edmondson, plant supt.
SALES AGENTS AND BRANCHES: The Dean Co., 427 W. Randolph St., Chicago, Ill.; The Dean Co., 2006 English St., High Point, N. C.; Jim Robinson, 14411 Crossdale, Norwalk, Calif.; The Dean Co., P. O. Box 8, New Albany, Ind.; Northern Veneer & Lumber Co., 1060 Victoria St. N., Kitchener, Ontario, Canada.

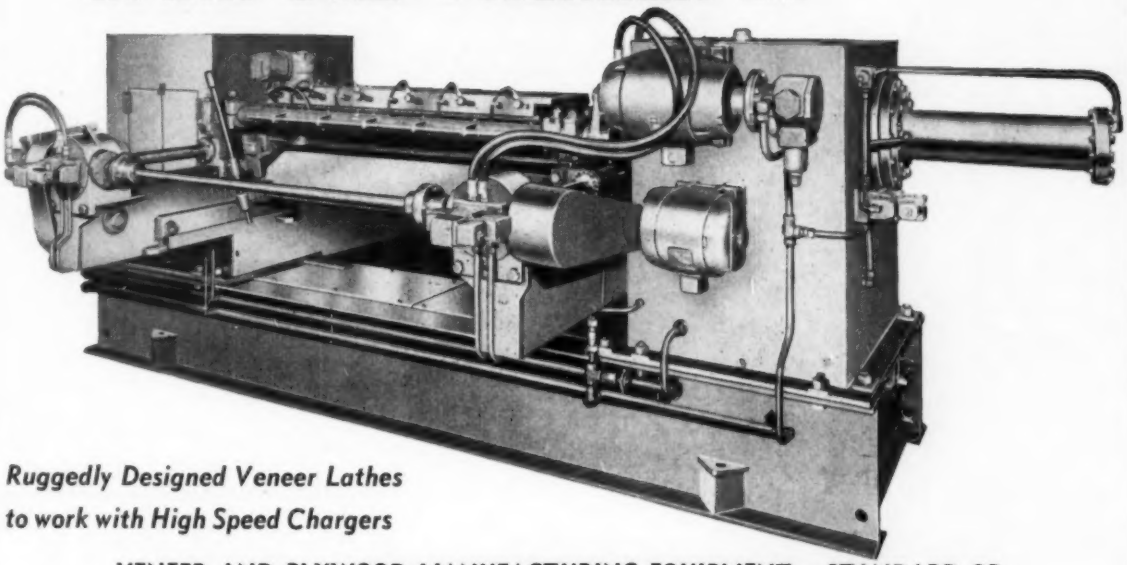
OREGON COAST VENEER CO.
Plant Address: P. O. Box 246, Brookings, Ore.
Home Address: Centralia, Wash.
ANNUAL CAPACITY. (⅜-inch basis) 108,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1; dryer 1.
PERSONNEL: S. A. Agnew, pres.; John Madding, gen. mgr. & sls. mgr.

OREGON COAST VENEER CO.
(formerly Oregon Washington Plywood)
Harbor, Ore.

PEAK PLYWOOD
Plant Address: 4800 Reservoir Rd., Corvallis, Ore.
Home Address: P. O. Box 575, Philomath, Ore.
Telephone: WA 9-3711.
ANNUAL CAPACITY: (⅜-inch basis) 150,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Kermit Roth, pres.; Gordon T. Larson, gen. mgr.; Freeman Tollefson, plant supt.
SALES AGENTS AND BRANCHES: Northwest Forest Products Sales Inc., E. C. Collins, gen. mgr.; P. O. Box 575, Philomath, Ore.

POLK VENEER CORP.
(formerly Oregon Hardwood Veneer, Inc.)
P.O. Box 556, Grand Ronde, Ore.
Telephone: Uptown 9-2552.

THE **BAMFORD PREMIER** LINE



Ruggedly Designed Veneer Lathes
to work with High Speed Chargers

VENEER AND PLYWOOD MANUFACTURING EQUIPMENT – STANDARD OR ESPECIALLY BUILT TO SUIT THE CUSTOMER'S REQUIREMENTS

MANUFACTURED BY
Premier Gear & Machine Works

DESIGNED AND SOLD BY
Bamford Special Machinery, Inc.

FLIEDNER BUILDING, PORTLAND 5, OREGON

INDUSTRIAL ENGINEERS SPECIALIZING IN PLYWOOD AND VENEER PLANTS

ANNUAL CAPACITY: (⅛-inch basis) 20,000,000 sq. ft.
EQUIPMENT: Lathe 1; dryer 1.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Ray Alder, plant supt.; Rod Brenneman, plant mgr.

PORT ORFORD PLYWOOD CORP.

Box 696, Port Orford, Ore.
Telephone: Edgewood 2-3111.
ANNUAL CAPACITY: (⅛-inch basis) 219,652,428 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: H. W. Crook, pres.; Joseph K. Zook, gen. mgr.; Glenn Jackson, plant supt.

POWERS VENEER CORP.

P. O. Box C, Powers, Ore.
ANNUAL CAPACITY: (⅛-inch basis) 225,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Cliff Layman, plant supt.; Leo Foy, plant mgr.

REX VENEER CO.
(formerly Western Milling Co.)

P. O. Box 421, Philomath, Ore.
Telephone: WA 9-4545.
ANNUAL CAPACITY: (⅛-inch basis) 200,000,000 sq. ft.
EQUIPMENT: Lathe 1; slicers 2.
PERSONNEL: Rex Clemens, pres.; J. L. Hovey, gen. & sls. mgr.; Elwood Berklund, plant supt. & mgr.

SHERWOOD FOREST PRODUCTS, INC.
(formerly Coos Veneer Co.)

Broadbent, Ore.
Telephone: 2751 (Myrtle Point).
ANNUAL CAPACITY: (⅛-inch basis) 250,000,000 sq. ft.
EQUIPMENT: Lathes 2.
PERSONNEL: Stan E. Sherwood, pres. & gen. mgr.; John A. Hackenbruck, sls. & plant mgr.; William L. Parry, plant supt.

SIMPSON LOGGING CO.

Plant Address: Idanha, Ore.
Home Address: Shelton, Wash.
Telephone: Detroit 492.
ANNUAL CAPACITY: (⅛-inch basis) 63,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: H. W. McClary, vice pres.; H. N. Johns, gen. mgr.; R. H. Fletcher, sls. mgr.; Harry F. Spencer, plant supt.; Guy Hartle, plant mgr.
SALES AGENTS AND BRANCHES: Simpson Logging Co., 2301 No. Columbia Blvd., Portland 17, Ore.

STIMSON LUMBER CO.

P. O. Box 68, Forest Grove, Ore.
Telephone: Mitchell 4-9158.
ANNUAL CAPACITY: (⅛-inch basis) 175,000,000 sq. ft.
PERSONNEL: Harold A. Miller, pres. & gen. mgr.; Ray W. Replogle, sls. mgr.; Elmer L. Crocker, plant supt.
SALES AGENTS AND BRANCHES: Bennett Veneer Factors, Inc.

SWEET HOME VENEER

800 18th St., Sweet Home, Ore.

TILLAMOOK VENEER CO.

1st & Cedar, P. O. Box 193, Tillamook, Ore.
Telephone: Victor 2-7503. Teletype: 373.
ANNUAL CAPACITY: (⅛-inch basis) 60,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Walter Purcell, pres.; Elmer H. Hall, gen. mgr.; B. G. Monteith, plant supt.; L. M. Lucas, office mgr.

UNITED STATES PLYWOOD CORP.
Ore. Div.

Plant Address: P. O. Box 1456, Gold Beach, Ore.
Adm. Hdqtrs. & Main Sls. Office: P. O. Box 672, Second & Garfield Sts., Eugene, Ore.
Home Address: 55 West 44th St., New York 36, N. Y.
Telephone: Cherry 7-2581. Teletype: GB 372.
ANNUAL CAPACITY: (⅛-inch basis) 310,500,000 sq. ft. Actual production 1959 198,375,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathes 2.
PERSONNEL: M. R. Leeper, div. mgr.; Frank McPherson, gen. mgr.; W. W. Wells, prod. mgr.; Al Haynes, plant supt.
SALES AGENTS AND BRANCHES: U. S. Ply. warehouses—nationwide—U. S. & Canada.

VANCOUVER PLYWOOD CO.
(Veneer Div.)

Plant Address: P. O. Box 1008, Springfield, Ore.
Home Address: P. O. Box 720, Vancouver, Wash.
Telephone: OX 3-2517, BU 9-8816. Teletype: Van. 648.
ANNUAL CAPACITY: (⅛-inch basis) 216,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Frost Snyder, pres.; D. I. Plummer, Jr., gen. mgr.; David Difford, sls. mgr.; Donald E. Rupe, plant mgr.
SALES AGENTS AND BRANCHES: Vancouver Plywood Co., Vancouver, Wash.

WEBCO VENEER
(Sold to U. S. Plywood Co.)

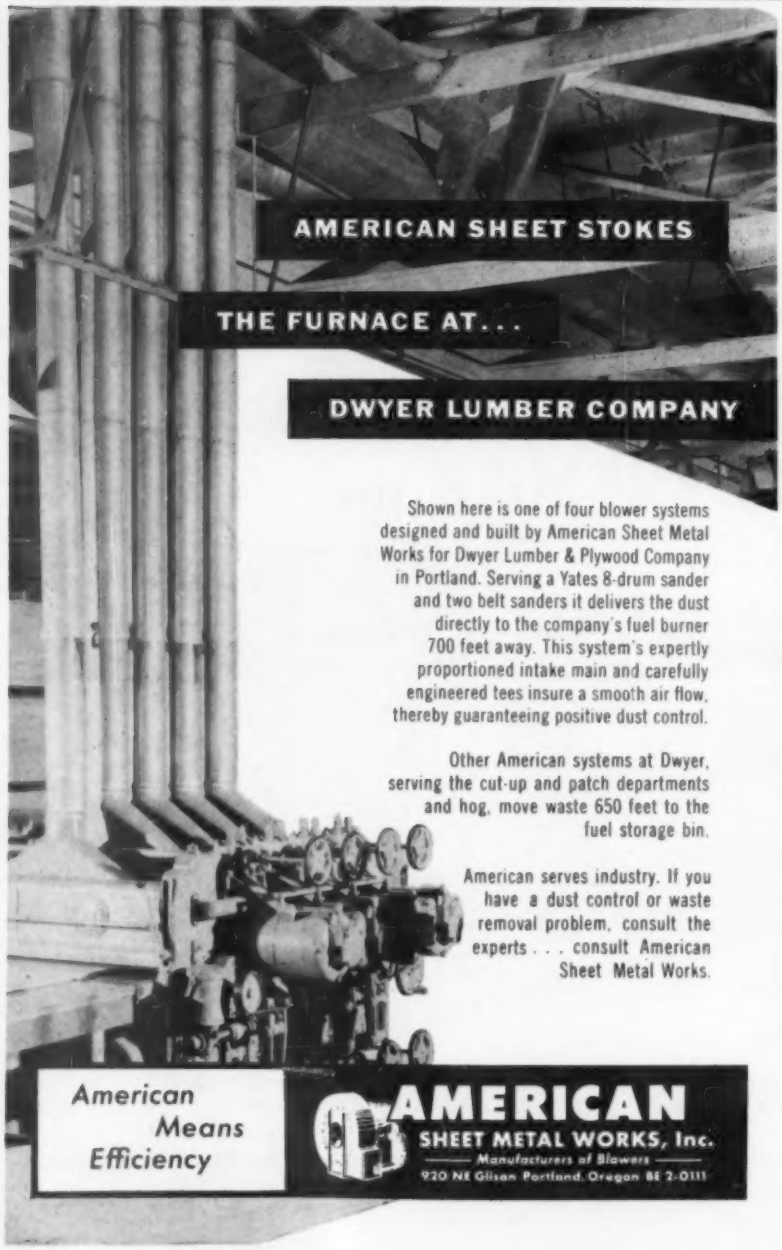
Roseburg, Ore.

WILLAMETTE VALLEY LBR. CO.

Plant Address: Carlton, Ore.
Sls. Office: Dallas, Ore.
Home Address: 326 Pacific Bldg., Portland 4, Ore.
Telephone: CA 7-5585. Teletype: Dallas, Ore. 80.
ANNUAL CAPACITY: (⅛-inch basis) 105,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Wm. Swindells, pres.; Wm. Swindells, Jr., gen. mgr.; A. F. Quirin, sls. mgr.; E. A. Cutler, res. mgr.; S. J. Forquer, plant supt.

ZIP O LOG

Plant Address: 446 Bertelsen Rd. S., Eugene, Ore.
Home Address: P. O. Box 3215, Eugene, Ore.
Telephone: Diamond 5-8755.
ANNUAL CAPACITY: (⅛-inch basis) 140,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Geo. A. Campbell, pres. & gen. mgr.; Vernon Kilpatrick, sls. mgr.; Carl Houg, plant supt. & mgr.


AMERICAN SHEET STOKES
THE FURNACE AT...
DWYER LUMBER COMPANY
Shown here is one of four blower systems designed and built by American Sheet Metal Works for Dwyer Lumber & Plywood Company in Portland. Serving a Yates 8-drum sander and two belt sanders it delivers the dust directly to the company's fuel burner 700 feet away. This system's expertly proportioned intake main and carefully engineered tees insure a smooth air flow, thereby guaranteeing positive dust control.
Other American systems at Dwyer, serving the cut-up and patch departments and hog, move waste 650 feet to the fuel storage bin.
American serves industry. If you have a dust control or waste removal problem, consult the experts . . . consult American Sheet Metal Works.
American Means Efficiency
AMERICAN
SHEET METAL WORKS, Inc.
Manufacturers of Blowers
920 NE Glisan Portland, Oregon BE 2-0111

WASHINGTON

ALLEN LOGGING & VENEER CO.
Forks, Wash.
Telephone: Forks, Frontier 4-3535.
ANNUAL CAPACITY: (⅛-inch basis) 45,000,000 sq. ft. Species used: Hemlock and white fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Lloyd Allen, owner; Alvin Kettel, plant supt.

BAY VENEER, INC.
Rt. 2, Port Townsend, Wash.
Telephone: 707-R-1.
ANNUAL CAPACITY: (⅛-inch basis) 28,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: S. C. Brown, pres. and gen. mgr.; Arnold Bergstresser, plant supt.; Dorothy Littrell, plant mgr.
SALES AGENTS AND BRANCHES: Plywood Mill Veneer, Inc.

BUCHANAN LUMBER CO.
P. O. Box 196, Olympia, Wash.
Telephone: Fleetwood 2-4863.
ANNUAL CAPACITY: (⅛-inch basis) 48,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: Donald S. Buchanan, pres. & sls. mgr.; Lester H. Schaller, gen. mgr.

COWLITZ VENEER CO.
P. O. Box 862, Randle, Wash.
Telephone: 2434.
ANNUAL CAPACITY: (⅛-inch basis) 100,000,000 sq. ft. Species used: Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: K. F. Marks, pres.; John R. Moore, gen. & sls. mgr.; Chas. DeWalt, plant supt.

LEPACK VENEER INC.
(formerly Seattle Plywood Co.)
Plant Address: Renton, Wash.
Home Address: 2316-11th N., Seattle, Wash.
Telephone: LA 4-5801.
ANNUAL CAPACITY: (⅛-inch basis) 30,000,000 sq. ft. Species: Douglas fir and hemlock.
EQUIPMENT: Lathe 1; dryer 1.
PERSONNEL: Y. S. Pack, mgr.

LY COL VENEER, INC.
Plant Address: P. O. Box 151, Roslyn, Wash.
Home Address: Route 6, Box 294, Tacoma 22, Wash.
Telephone: Roslyn 910.
ANNUAL CAPACITY: (⅛-inch basis) 40,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Art Lyda, pres.; Roy E. Baker, gen. & plant mgr. & plant supt.
SALES AGENTS AND BRANCHES: Cecil Hanson, 319 S.E. 81st, Portland 15, Ore.

PAC PLY VENEER CO.
(leased by Cowlitz Veneer Co.)
Plant Address: P. O. Box 58, Packwood, Wash.
Home Address: P. O. Box 862, Randle, Wash.
Telephone: 2291 Packwood.
ANNUAL CAPACITY: (⅛-inch basis) 100,000,000 sq. ft. Species used: 7,818,000 sq. ft. Douglas fir.
EQUIPMENT: Lathe 1.
PERSONNEL: John R. Moore, gen. & sls. mgr.; Barney Christiansen, plant supt.

POPE & TALBOT, INC.
Plant Address: Port Gamble, Wash.
Home Address: 3070 N.W. Front Ave., Portland, Ore.
Telephone: CA 8-9161. Teletype: PD51.
ANNUAL CAPACITY: (⅛-inch basis) 90,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Geo. A. Pope, pres.; H. Luedde-mann, gen. mgr.; R. H. Rushing, sls. mgr.; W. E. Koch, Jr., plant mgr.

RANDLE VENEER CO.
Plant Address: Randle, Wash.
Home Address: c/o Lacey Plywood, Lacey, Wash.
Telephone: Randle 2322.
ANNUAL CAPACITY: (⅛-inch basis) 108,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: Erling Sanstrom, pres.; R. A. Matott, gen. mgr.; Joe Bastinelli, plant mgr.

RIDGEFIELD VENEER CO., INC.
(purchased by Hardel Mutual Plywood Corp., Olympia, Wash.)
P. O. Box 756, Ridgefield, Wash.
Telephone: Tucker 7-3581.
ANNUAL CAPACITY: (⅛-inch basis) 72,000,000 sq. ft.
EQUIPMENT: Lathe 1.
PERSONNEL: C. C. Willis, pres.; P. J. Watson, gen. & sls. mgr.; Floyd Brown, plant mgr.; Ellis O. Johnson, gen. supt.
SALES AGENTS AND BRANCHES: Hardel Mutual Plywood Corp., P. O. Box 365, Olympia, Wash.

SKAGIT VENEER & LUMBER CORP.
(Liquidating)
Concrete, Wash.
Telephone: 2045.

WIND RIVER VENEER CO., INC.
Stevenson, Wash.
Telephone: Stevenson 3611.
ANNUAL CAPACITY: (⅛-inch basis) 72,000,000 sq. ft. Species used: 64,800,000 sq. ft. Douglas fir; 7,200,000 sq. ft. white pine and hemlock.
EQUIPMENT: Lathe 1.
PERSONNEL: R. M. Hegewald, pres.; George O'Brien, plant supt.
SALES AGENTS: Diamond Lumber Co., Portland, Ore.

EASTERN PLYWOOD AND VENEER PLANTS

ALABAMA

ALABAMA VENEER & PANEL CO.
P. O. Box 617, Monroeville, Ala.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) veneer. Species: Southern hardwoods.
PERSONNEL: O. E. Howell, pres.; B. Barnes, plant supt.

Quality Brands

DFPA Plywood
Bufflauan Ribbon & Rotary Plywood
Hullmaster Marine Laminate
Birch & K.P. Plywood

Phil. Mah. Mldg & Jambs
Fir & Hemlock S&R Doors
Buflite Flush Doors
Litewate Flush Doors
Buffco F100 Slabs
Buffco Louver Doors

—MAY BE SHIPPED IN STRAIGHT OR MIXED CARS—

Buffelen Sales Company

P. O. Box 1595 — MArket 7-6161 — TWX TA 034 — Tacoma 1, Washington

Exclusive Sales Agents for Buffelen Woodworking Co.

J. P. SIMPSON, President — R. W. Austin, Vice President — J. H. Penberthy, Sec'y-Treas.

BRANCH OFFICES

GEORGE E. McCADDON
P. O. Box 9155
Denver 20, Colorado

MARION T. DAVIS
P. O. Box 13042, Sta. K
Atlanta 24, Georgia

DEL HELTON
#4 Dogwood Road
Media, Pennsylvania

LEO KOBLESKI
P. O. Box 1595
Tacoma 1, Washington

R. A. McGRATH
P. O. Box 21, Ferndale
Detroit 20, Michigan

W. S. NURENBURG
Burk Burnett Building
Fort Worth 2, Texas

ALABAMA VENEER & PANEL CO.
P. O. Box 429, Montgomery, Ala.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 5,500,000 sq. ft. Species: Southern hardwoods.
PRODUCTS: Furniture.
PERSONNEL: O. E. Howell, pres.; E. E. Murray, Jr., plant mgr.

BACON-McMILLAN VENEER MFG. CO.
Stockton, Ala.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood; 20,000 sq. ft. (¼-in. basis veneer. Estimated production for 1959 8,000,000 sq. ft. Species: Bay poplar; sweet gum; Cativo; oak.
PRODUCTS: Furniture.
PERSONNEL: Laurens Jones, plant mgr. & partner; Norman M. McInnis, Jr., gen. mgr. & partner; Warren D. Gause, sls. mgr. & partner.

W. E. BELCHER LUMBER CO., INC.
Centreville, Ala.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 10,000,000 sq. ft. Species: Gum, sap & Tupelo; poplar; magnolia; oak; walnut; mahogany; maple; cherry.
PRODUCTS: Furniture.
PERSONNEL: Brady Belcher, pres.; Jimmy Taylor, plant supt.; M. E. Lord, plywood sls. mgr.
SALES AGENTS AND BRANCHES: Exclusive sales office: Belcher Lumber Sales Co., Ltd.

GENERAL BOX CO.
Plant Address: Box 125, Gilbertown, Ala.
Home Address: 1825 Miner St., DesPlaines, Ill.
ANNUAL CAPACITY: 16,000,000 sq. ft. (¼-in. basis) veneer. Species: Gum; sycamore; magnolia.
PERSONNEL: T. W. Regan, pres. & gen. mgr.; George Amacker, plant mgr.; J. W. Jenkins, plant supt.; Dave Forrester, sls. mgr.

HOWELL PLYWOOD CORP.
Plant Address: Blackshear St., Box 917, Dothan, Ala.
Home Address: 500 North Park Ave., Dothan, Ala.
Species: Gums; magnolia; mahogany; poplar; birch; maple.
PRODUCTS: Furniture; stock panels; cupboard doors; flush doors; curved or formed plywood; prefinished plywood.
PERSONNEL: H. C. Howell, Sr., pres. & sls: mgr.; H. C. Howell, Jr., gen mgr.; John Marker, plant supt.

THOMAS VENEER AND PLYWOOD CO., INC.
P. O. Box 66, Maplesville, Ala.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) veneer. Species: Poplar, gum, bay.
PERSONNEL: C. Hubert Thomas, pres.; Virgil S. Royster, plant supt.

THOMPSON & SWAIM PLYWOOD INC.
Plant Address: Rosedale, Tuscaloosa, Ala.
Home Address: Box 243, Tuscaloosa, Ala.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 10,000,000 sq. ft. Species: Sweet gum; tupelo; poplar; sycamore.
PRODUCTS: Furniture; stock panels.
PERSONNEL: M. M. Swaim, pres., plant & gen. mgr.; W. L. Whedbee, plant supt.; Mrs. Louise Thompson, sls. mgr.

ARKANSAS

DELTA PLYWOOD CORP.
Cotton Plant, Ark.
ANNUAL CAPACITY: 25,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 10,200,000 sq. ft.
PRODUCTS: Furniture; stock panels; curved or formed plywood.
PERSONNEL: D. D. Bush, pres. & sls. mgr.; Paul Parnell, gen. & plant mgr. & supt.
SALES AGENTS AND BRANCHES: Southwestern Veneer Co., Cotton Plant, Ark.

McKNIGHT VENEER & PLYWOODS, INC.
DR 226, West Helena, Ark.

OWOSSO MANUFACTURING CO.
Benton, Ark.

VAN VENEER CO.
Plant Address: Box 61, Malvern, Ark.
Home Address: 136 Babcock St., Malvern, Ark.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) veneer.
PERSONNEL: S. A. Van Dusen, pres. & sls. mgr.; G. G. Van Dusen, plant mgr. & supt.; C. C. Van Dusen, gen mgr.

FLORIDA

BAY DOOR CORP.
3501 3rd Ave., P. O. Box 5055, Tampa, Fla.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Species: Lauan; birch; gum; ash.
PRODUCTS: Flush doors.
PERSONNEL: Fred F. Haddad, pres.; Col. T. E. Phillips, gen. mgr.; Byron Hill, plant supt.; Bill Hughes, sls. mgr.

FLORIDA PLYWOODS, INC.
P. O. Box 695, Greenville, Fla.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Species: Gum; tupelo; magnolia; poplar; ash; bay.
PERSONNEL: John C. Maultsby, pres.; R. J. Kerr, plant supt.; J. O. Cooke, Jr., sls. mgr.
SALES AGENTS AND BRANCHES: Wacamaw Veneer Co., Greenville, Fla., and Whiteville, N. C.

FLORIDA VENEER CO., INC.
P. O. Box 86, Monticello, Fla.

HOWELL INDUSTRIES, INC.
Caryville, Fla.
ANNUAL CAPACITY: 6,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Southern hardwoods.
PRODUCTS: Furniture; stock panels.
PERSONNEL: O. E. Howell, pres.; George E. Howell, gen. mgr.

NEAL LUMBER & MFG. CO., INC.
Blountstown, Fla.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) veneer. Species: Red gum; tupelo gum; sycamore; hackberry.
PERSONNEL: D. B. Hayes, pres.; G. G. Bridges, plant mgr.; M. Brooks Hayes, gen. & sls. mgr.

NORTHEAST
SAWMILL EQUIPMENT
Quality Constructed for Years of Rugged Use

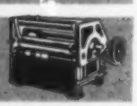
Whether your requirements call for a single piece of equipment or a complete sawmill, our newly designed line of NORTHEAST sawmill machinery gives you a competitive advantage. Modern engineering features make faster, more accurate lumber production possible. You achieve maximum utilization of material and are assured greater profits. Look to NORTHEAST for the latest developments in sawmill equipment.

WRITE FOR CATALOG . . . COMPLETE INFORMATION

HEADSAWS • RESAWS
CIRCULAR SAWMILLS

HYDRAULIC • CLUTCH
AND ELECTRIC FEEDS

EDGERS • TRIMMERS
OTHER EQUIPMENT



NORTHEAST OHIO MACHINE BUILDERS, INC.
P. O. BOX 367- D COLUMBIANA, OHIO

PACO
Superior
BLOOD
Glues
PACIFIC ADHESIVES
COMPANY, Inc.
Ph. Midway 8-2184
HILLSBORO, ORE.

QUALITY PLYWOOD PRODUCTS

- DOUGLAS FIR PLYWOOD EXTERIOR
- DOUGLAS FIR PLYWOOD INTERIOR
- PLYFORM EXTERIOR INTERIOR
- SHEATHING EXTERIOR INTERIOR
- TEXTURE ONE ELEVEN
- BIRCH PLYWOOD
- R.C. RED OAK PLYWOOD
- RIBBON LAUAN PLYWOOD
- ROTARY LAUAN PLYWOOD
- KNOTTY PINE PLYWOOD

QUALITY DOOR PRODUCTS

- PANEL HOUSE DOORS
- ENTRANCE DOORS
- FLUSH DOORS HOLLOW, SOLID
- JALOUSIE RIMS
- COMBINATION DOORS
- SCREEN DOORS
- GARAGE DOORS
- LOUVER DOORS
- LOUVERED WINDOW BLINDS

NORTHWEST DOOR & PLYWOOD SALES, INC. Norwood TACOMA 1, WASHINGTON

SECTION OF GIANT DOUGLAS FIR LOG LOCATED AT ENTRANCE OF OUR SALES OFFICE, TACOMA, WN.
DIAMETER 12'; CIRCUMFERENCE 40'; TREE'S AGE 586 YEARS

Northwest Door & Plywood Sales, Inc.

TACOMA, WASHINGTON

SALES AGENTS for the following High Quality Door and Plywood manufacturers:

***BROOKINGS PLYWOOD CORP., Brookings, Ore.**

***FIR-PLY, INC., Medford, Ore.**

***NORTHWEST DOOR CO., Tacoma, Wn.**

SEATTLE DOOR CO., Kirkland, Wn.

*Members of Douglas Fir Plywood Assn.

REGIONAL SALES DIRECTORS:

R. J. FINNAN, Longmeadow, Mass.
H. H. VORDERBRUG, Decatur, Ga.
L. F. SCHROEDER, Palatine, Ill.
K. L. BOWSER, Dallas, Texas
R. G. LAWRENCE, Tacoma, Wn.
A. C. PARNELL, Atherton, Calif.

SOUTHERN PLYWOODS, INC.
Box 448, Greenville, Fla.
ANNUAL CAPACITY: 15,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 14,000,000 sq. ft. Species: All species southern hardwoods; cedar; birch; oak; walnut; cherry; mahogany; ash; elm; limba
PRODUCTS: Furniture; stock panels; architectural; prefinished; marine and aircraft.
PERSONNEL: Julius J. Stern, pres.; Peter J. Stern, vice pres.; Wade T. Jones, plant supt.; C. W. Dietturich, sls. mgr.

GEORGIA

ALEXANDER WOOD PRODUCTS, INC.
Plant Address: P. O. Box 1588, Athens, Ga.
Home Address: 340 Parkway Drive, Athens, Ga.
ANNUAL CAPACITY: 500,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; gum; maple; sycamore.
PERSONNEL: Charles L. Guyer, pres.; Frank Reid and Scott Grubb, plant supts.

BRADLEY PLYWOOD CORP.
P. O. Box 709, Savannah, Ga.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Species: Gum; maple; cypress; ash; walnut; oak; birch; cherry; knotty white pine; African mahogany; elm; northern maple; cedar; magnolia.
PRODUCTS: Stock panels; flush doors; prefinished plywood.
PERSONNEL: Waldo Bradley, pres.; M. J. Newsome, plant mgr.; Joseph Waldherr, pre-finish & door dept. supt.

CORNELIA VENEER CO.
Plant Address: Cornelia, Georgia.
Home Address: Edmund St. & Bleigh Ave., Philadelphia 36, Pa.
ANNUAL CAPACITY: 9,000,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; gum; sycamore.
PERSONNEL: Robt. P. Thompson, pres.; J. P. Ballard, plant mgr.; John P. Staman, sls. mgr.

DULANEY VENEER CO., INC.
Plant Address: Cuthbert, Ga.
Home Address: 1440 Commonwealth Bldg., Louisville 2, Ky.
PRODUCTS: Doorskins.
PERSONNEL: Edwin O. Dulaney, pres.; J. L. Farris, plant mgr.; C. M. Hilton, sls. mgr.

GEORGIA LUMBER AND VENEER CORP.
Toomsboro, Ga.
ANNUAL CAPACITY: 18,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 15,000,000 sq. ft. Species: Unselected gum only.
PRODUCTS: Furniture; stock panels; specialties.
PERSONNEL: Robert B. Roesing, pres.; Earl J. Tompkins, plant supt.; Homer N. Meier, gen. mgr.

GEORGIA PACIFIC CORP.
Plant Address: Box 1350, Savannah, Ga.
Home Address: Equitable Bldg., Portland, Ore. (Box 311).
ANNUAL CAPACITY: 30,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 24,000,000 sq. ft. Species: Gum; poplar; oak; cypress; birch; walnut; cherry; mahogany; cativo.
PRODUCTS: Stock panels; prefinished plywood.
PERSONNEL: R. B. Pamplin, pres.; R. B. Westgate, plant mgr.; L. R. Kesler, plant supt.; C. D. Wheeler, gen. mgr.; R. C. Schmidt, sls. mgr.

GEORGIA PLYWOOD CORP.
E. Jackson St., Dublin, Ga.
ANNUAL CAPACITY: 18,000,000 sq. ft. (¼-in. basis) plywood. Species: All hardwoods.
PRODUCTS: Stock panels; architectural plywood; prefinished plywood.

J & J VENEER CO., INC.
Cuthbert, Ga.
Species: Gum; poplar.
PERSONNEL: J. T. Dailey, pres.; J. J. Phillips, plant mgr.; O. H. Mackey, plant supt.

PRINSHO VENEER CO., INC.
Valdosta, Ga.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4,500,000 sq. ft. Species: Black gum; sweet gum; bay; poplar.
PRODUCTS: Furniture; cupboard doors.
PERSONNEL: J. C. Woodward, Jr., pres., plant & gen. mgr.; B. S. Hightower, plant supt.; Jack Gayle, sls. mgr.

SUWANEE MILLS, INC.
Box 22, Baxley, Ga.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 5,000,000 sq. ft. Species: Sweet gum; bay; poplar; tupelo; sycamore; ash; maple.
PRODUCTS: Furniture.
PERSONNEL: W. H. Kerr, pres., gen. & sls. mgr.; J. L. Barfield, plant mgr.; W. D. Nelson, plant supt.
SALES AGENTS AND BRANCHES: Henry W. Bosse, Box 641, Evansville, Ind. Tri-Wood, Inc., 911 Busse Hwy., Park Ridge, Ill.

VALDOSTA PLYWOODS, INC.
Box 136, Valdosta, Ga.
ANNUAL CAPACITY: 8,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 5,000,000 sq. ft. Species: Gum; bay; poplar.
PRODUCTS: Furniture.
PERSONNEL: D. E. Nichols, pres.; H. J. Feely, sls. mgr.
SALES AGENTS AND BRANCHES: Nichols & Nichols, Tribune Tower, Chicago, Ill.

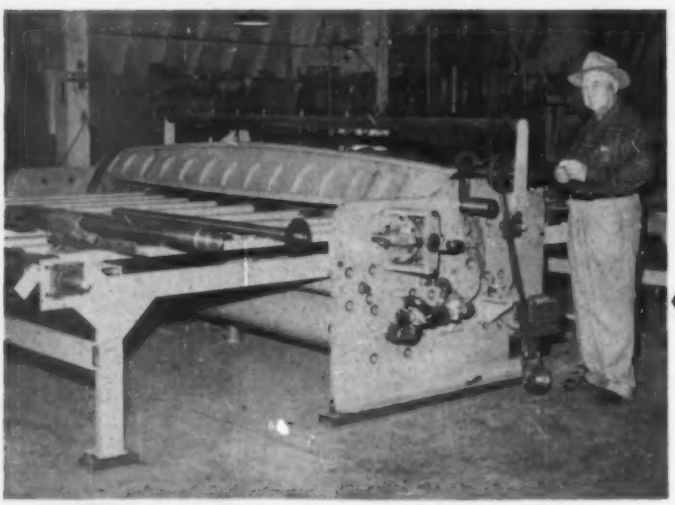
ILLINOIS

R. S. BACON VENEER CO.
4702 W. Augusta Blvd., Chicago 5, Ill.
ANNUAL CAPACITY: 3,000,000 sq. ft. (¼-in. basis) plywood; 40,000,000 sq. ft. (1/28-in. basis) face veneer only. Species: All commercial, foreign and domestic hardwood.
PRODUCTS: Grooved panels—stock sizes.
PERSONNEL: Jos. F. Mertes, pres.; George Wilhelm, gen. mgr.; L. A. Whalen, plant supt.
SALES AGENTS AND BRANCHES: C. H. Quaintance, 317 Allen St., N.W., Grand Rapids, Mich.; John F. Boehme, P. O. Box 1025, Oshkosh, Wis.; Richard E. Laube, R.F.D. No. 1, Jasper, Ind.; John McGovern, Box 2283, Greensboro, N. C.; Leslie David, 489 Fifth Ave., New York, N. Y.; C. Richard Kamerer, 11831 Abston Lane, Dallas, Texas.

INDIANA

BREECE VENEER & PANEL CO.
New Albany, Ind.

MAJOR PLYWOOD PRODUCERS ORDER NEW HI-SPEED "ROK-IT" CLIPPERS



ENJOY THESE ADVANTAGES

- LOW MAINTENANCE COST
- CONTINUOUS PRODUCTION
- AUTOMATIC LUBRICATION
- NO VIBRATION
- VENEER SAVINGS
- SIMPLE DESIGN
- FEW MOVING PARTS

Designer, "Vic" Anderson, checks one of three new "Rok-It" Clippers to be delivered to the new Springfield plywood mill of Georgia-Pacific. Vic Anderson is head of design and production at C. F. Machinery.

LET "VIC" DO IT

If you need a machine to do a special job and you are stumped, let Vic Anderson, at C. F. Machinery, take a look at the problem. Chances are he will come up with a solution. Our complete shop can help with your maintenance and repair, too.

C. F. MACHINERY COMPANY
CUSTOM MACHINE MANUFACTURING
P. O. BOX 188 • SPRINGFIELD, OREGON
PHONE: Riverside 6-4481, TWX SPFD., ORE. 3072

CENTRAL VENEER CO.
2143 Winter Ave., Indianapolis 7, Ind.

E. M. CUMMINGS VENEERS, INC.
601 E. 4th St., New Albany, Ind.
ANNUAL CAPACITY: 32,000 sq. ft. (¾-in. basis) plywood. Estimated production for 1959 20,000 sq. ft. Species: Foreign and domestic.
PRODUCTS: Single and 2-ply dimensioned fancy face veneers for furniture and television trade.
PERSONNEL: E. M. Cummings, pres.; A. E. Harbison, plant supt.; F. U. Zoeller, gen. & sls. mgr.

B. L. CURRY & SONS, INC.
1014 East Sixth St., New Albany, Ind.
ANNUAL CAPACITY: 40,000,000 sq. ft. (1/28-in. basis) veneer. Species: White oak; red oak; cherry; walnut; maple; pecan; poplar.
PERSONNEL: B. L. Curry, pres., gen. & sls. mgr.; Jack B. Curry, plant mgr.; James C. Curry, plant supt.
SALES AGENTS AND BRANCHES: Jimmy Mitchell, Inc., High Point, N. C.; Rice Veneer & Lumber Co., Grand Rapids, Mich.; LeRoy Johnson, Rockford, Ill.; Horace W. Nordyke, Indianapolis, Ind.

THE HOOSIER PANEL CO.
Plant Address: Fairmont Park, New Albany, Ind.
Home Address: Box 566, New Albany, Ind.
ANNUAL CAPACITY: 15,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 15,000,000 sq. ft. Species: Mahogany; walnut; maple; oak; birch; poplar; gum; imported woods.
PRODUCTS: Furniture; cupboard doors; specialties.
PERSONNEL: J. A. Binford, pres. & sls mgr.; E. E. Alexander, plant mgr. & supt.; W. L. Cogswell, gen. mgr.

INDIANA VENEERS, INC.
1121 E. 24th St. (Box 55183), Indianapolis 5, Ind.
Species: Walnut; oak; maple.
PERSONNEL: Roscoe Sanders, pres.; Paul Sanders, secy.-treas. & plant mgr. & supt.; C. M. DeStefano, sls. mgr.

THE JASPER CORP.
Jasper, Ind.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4,500,000 sq. ft. Species: Oak; poplar; walnut; cherry; mahogany; gum.
PRODUCTS: Furniture; cupboard doors.
PERSONNEL: Arnold F. Habig, pres.; Thomas L. Habig, plant mgr.; Leon Pfister, plant supt.; Richard Lampert, sls. mgr.

JASPER WOOD PRODUCTS CO., INC.
Jasper, Ind.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Poplar; gum; basswood; birch; maple; mahogany; walnut; oak.
PRODUCTS: Furniture; stock panels; cupboard doors; curved or formed plywood; specialties.
PERSONNEL: V. J. Gramelspacher, pres.; C. U. Gramelspacher, gen. & sls. mgr.; C. G. Hoffman, plant mgr.; George Kieffner, plant supt.

NATIONAL VENEER & LUMBER CO.
Seymour, Ind.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) veneer. Species: Walnut; cherry; maple; white oak; red oak; butternut; elm; sycamore.
PERSONNEL: Burton F. Swain, Jr., pres.; E. S. Cummins, plant, gen. & sls. mgr.; Willis Hall, plant supt.
SALES AGENTS AND BRANCHES: Smith & Greenwood, High Point, N. C.; Stanley V. Taylor, Seymour, Ind.; Horace W. Nordyke, Indianapolis, Ind.

PIERSON-HOLLOWELL CO., INC.
Plant Address: P. O. Box 165, Lawrenceburg, Ind.
Home Address: 630 N. College Ave., Indianapolis 4, Ind.
ANNUAL CAPACITY: 50,000,000 sq. ft. (1/28-in. basis) veneer. Species: Walnut; white oak; cherry; maple; butternut; poplar; ash; elm.
PERSONNEL: R. E. Hollowell, Sr., pres.; S. R. Williams, plant mgr.

ROBERTS & STRACK VENEER CO., INC.
Plant Address: Clarksville, Ind.
Home Address: Box 189, New Albany, Ind.
ANNUAL CAPACITY: 50,000,000 sq. ft. (1/16-in. basis). Species: Black walnut; poplar; white oak; African mahogany; red oak; sycamore; cherry; hard maple.
PERSONNEL: C. E. Strack, pres. & gen. mgr.; F. M. Adams, plant mgr.; M. C. Strack, sls. mgr.; J. R. Roberts, mgr. log. dept.

CHESTER B. STEM, INC.
Box 231, New Albany, Ind.
ANNUAL CAPACITY: 48,000,000 sq. ft. (¼-in. basis) veneer. Species: Ash; birch; cherry; limba; mahogany; maple; prima vera; white oak; red oak; teak; walnut.
PERSONNEL: R. K. Stem, pres.; Ken Staugas, sls. mgr.

KENTUCKY

GENERAL PLYWOOD CORP.
Plant Addresses: Louisville, Ky.; New Albany, Ind.; Tarboro, N. C.; Oshkosh, Wis.; Antigo, Wis.
Home Address: 3131 W. Market St., Louisville 12, Ky.
ANNUAL CAPACITY: 40,000,000 sq. ft. (¼-in. basis) plywood. Species: Birch; oak; gum; walnut; cherry; lauan.
PRODUCTS: Stock panels; cupboard doors; flush doors; prefinished plywood.
PERSONNEL: H. M. Reed, Jr., pres.; John Goetz, vice pres. plywood sls.; Lyn Palin, vice pres. door sls.; F. A. Bade, Jr., vice pres. mfg.; A. F. Jpcar, sec.-treas.; Lloyd Dimond, vice pres.; research.

LOUISIANA

HIGGINS INDUSTRIES, INC.
Box 8169, New Orleans 22, La.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis) veneer; 36,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 36,000,000 sq. ft. Species: Oak; mahogany; various imported woods.
PRODUCTS: Block flooring; marine.

This stamp on all

DWYER PLYWOOD

assures quality

Approved by an FHA recognized testing agency

All Dwyer plywood—well-known for quality and dependability of grade—bears the above stamp of approval of the Douglas Fir Plywood Association. Fulfilling the requirements of FHA standards, the DFPA seal, along with the DWYER name, is your double assurance of dependability and quality control.

DWYER LUMBER and PLYWOOD

MADE BY DWYER LUMBER AND PLYWOOD CO., PORTLAND, OREGON
6637 S. E. 100th AVENUE (AT FOSTER ROAD), PRospect 5-6711

PERSONNEL: F. O. Higgins, pres.; E. Douglas Johnson, vice pres. & treas.; E. C. Higgins, veneer mgr.; Joe Subert, plywood mgr.; C. P. Crozat, sls. mgr.; Stanley Reaney, flooring supt.

IPIK DOOR CO., INC.
Box 248, Kenner, La.
ANNUAL CAPACITY: 3,500,000 sq. ft. (¼-in. basis) plywood. Species: Birch; gum; oak; Honduras mahogany; African mahogany; Philippine mahogany; walnut; ash; American cherry; maple; pine; fir; cypress; redwood.
PRODUCTS: Architectural plywood; flush doors.
PERSONNEL: Louis Pick, pres.

McINTYRE VENEER CO., INC.
Plant Address: 573 Centreville St., Denham Springs, La.
Home Address: Box 278, Denham Springs, La.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis) veneer. Species: Red oak; all gums; poplar; magnolia; cottonwood; elm; all soft hardwoods.
PERSONNEL: James D. McIntyre, pres. & plant mgr.; Fred A. Terry, plant supt.

PARKS WOOD PRODUCTS, INC.
1000 Melrose St., Pineville, La.
ANNUAL CAPACITY: 1,250,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 800,000 sq. ft. Species: Gum; willow; ash.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: N. W. Parks, pres.; Harry Parks, plant & gen. mgr.; E. Hooks, plant supt.

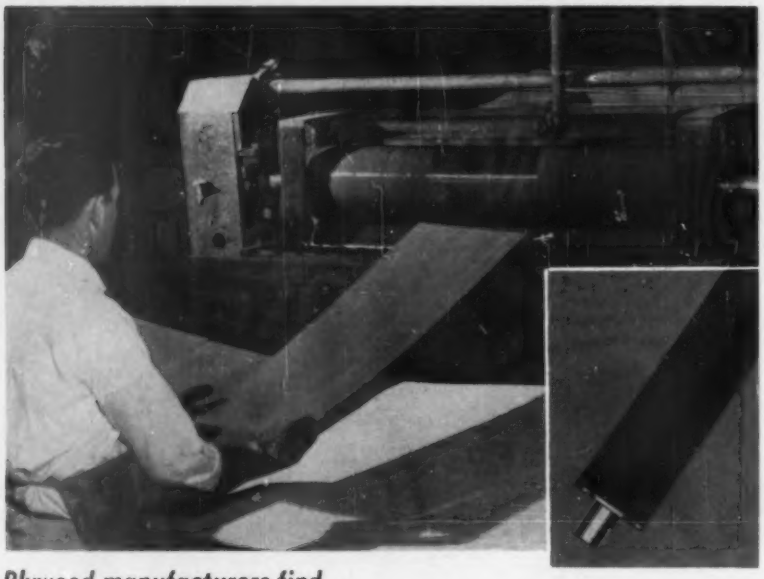
MAINE

ATLAS PLYWOOD CORP.
Plant Address: Greenville, Maine.
Home Address: 635 Madison Ave., New York 22, N. Y.
ANNUAL CAPACITY: 14,400,000 sq. ft. (⅜-in. basis) plywood. Estimated production for 1959 13,500,000 sq. ft. (⅜-in. basis). Species: Yellow birch; white birch.
PRODUCTS: Flush doors.
PERSONNEL: Charles N. Bellm, pres.; Oakley Jenks, plant mgr.; Loren Lovelette, sls. mgr.

QUIMBY, ALLEN VENEER CO.
Bingham, Me.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis). Species: Birch.
PRODUCT: Cupboard doors.
PERSONNEL: Langdon C. Quimby, pres.; Paul Matheson, gen. & plant mgr.

MARYLAND

STENERSEN MAHOGANY CORP.
Cockeysville, Md.
ANNUAL CAPACITY: 50,000,000 sq. ft. (1/28-in. basis) veneer. Species: African mahogany; Philippine mahogany; cherry; red oak; poplar; white oak; walnut.
PERSONNEL: J. S. Stenersen, pres.; Roger W. Stenersen, vice pres. & plant mgr.; James Stenersen, Jr., sec.; R. M. Busche, sls. mgr.
SALES AGENTS AND BRANCHES: Jimmy Mitchell, Inc., High Point, N. C.; Leo J. Seitz, Lawrenceburg, Ind.; Frank J. Heffernan, Kitchener, Ont., Can.; W. E. Burkhardt, Grand Rapids, Mich.



Plywood manufacturers find

spreader rolls by SCOUGAL

assure accurate metering of adhesives

Glue spreading has always been a problem for many plywood manufacturers . . . especially accurate metering of the adhesives. This major headache has been eliminated with Scougal rubber-covered glue spreader rolls. Long-wearing Hycar nitrile rubber enables tolerances to be ground unusually fine . . . and still maintain toughness and posture.

Unlike other materials, Scougal rubber rolls do not absorb oil and majority of solvents. They meter glue evenly—and are easily cleaned for long life. This is just one of the rubber problems Scougal is equipped to solve for you. Call or write us for complete information about our spreader rolls and other fine rubber products.

Scougal RUBBER MFG. CO., Inc.
Special Molded Rubber Goods
2731 First Ave. So. Seattle 4, Wash.

MISSISSIPPI

CENTRAL BOX CO.
Crystal Springs, Miss.
Species: Gum; poplar; maple; beech; oak.
PERSONNEL: J. C. Thomas, pres. & gen. mgr.

FERNWOOD INDUSTRIES
Fernwood, Miss.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 10,000,000 sq. ft. Species: Gum; beech.
PRODUCTS: Furniture; stock panels.
PERSONNEL: Lamar Ramsay, pres.; L. E. Ramsay, gen. mgr.; W. R. Watkins, Jr., vice pres.

T. C. FULLER PLYWOOD CO., INC.
Box 693, Laurel, Miss.
PRODUCTS: Furniture; stock panels; architectural plywood; cupboard doors; flush doors; solid core doors and V-grooved and pre-finished plywood; curved or formed plywood.
PERSONNEL: T. C. Fuller, pres.

GULF LAMINATES, INC.
Picayune, Miss.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 12,000,000 sq. ft. Species: Gum; oak; birch; walnut; mahogany.
PRODUCTS: Furniture; cupboard doors; curved or formed plywood.
PERSONNEL: F. G. Macdonald, Sr., pres., plant & sls. mgr.; F. G. Macdonald, Jr., plant supt.

MISSISSIPPI PRODUCTS, INC.
Box 492, Livingston Road, Jackson, Miss.
ANNUAL CAPACITY: 34,925,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 22,000,000 sq. ft. Species: Gum; sycamore; poplar; mahogany; oak; walnut; cherry; birch; maple.
PRODUCTS: Furniture.
PERSONNEL: George A. Huth, pres.; Gerald F. Bracken, plant mgr.; Charles B. Ryan, sls. mgr.

PASCAGOULA VENEER CO.
N. Pascagoula St., Pascagoula, Miss.
ANNUAL CAPACITY: 30,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 25,000,000 sq. ft. Species: Cativo; gum; birch; walnut; cherry; oak.
PRODUCTS: Furniture; stock panels; curved or formed plywood.
PERSONNEL: M. Pick, pres.

PERRY COUNTY PLYWOOD CORP.
Box 158, Beaumont, Miss.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 16,000,000 sq. ft. Species: All native southern hardwood; red oak; maple; birch.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: V. L. Toussaint, Sr., pres. & plant mgr.; J. R. Smith, plant supt.; V. L. Toussaint, gen. mgr.
SALES AGENTS AND BRANCHES: Exclusive Sales Agents—Nichols & Nichols, 435 N. Michigan Ave., Chicago 11, Ill., H. J. Feely, mgr.

PICAYUNE VENEER & PLYWOOD CO.
Picayune, Miss.

RHYMES VENEERS, INC.
Collins, Miss.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; gum; tupelo; bay.
PERSONNEL: H. H. Rhymes, pres.

TUSCALOOSA VENEER CO.
11th Ave. at "E" St., Box 107, Meridian, Miss.
ANNUAL CAPACITY: 6,200,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Southern hardwoods.
PRODUCTS: Furniture; stock panels; flush doors.
PERSONNEL: O. E. Howell, owner; J. B. Gunn, Jr., plant mgr.

MISSOURI

ENTERPRISE VENEER CORP.
7400 St. John Ave., Kansas City, Mo.
ANNUAL CAPACITY: 9,000,000 sq. ft. (¼-in. basis) veneer. Species: Walnut; oak; ash; cherry.
PERSONNEL: L. O. Persinger, pres.; L. Sturgeon, plant mgr.
SALES AGENTS AND BRANCHES: Penrod Jurden & Clark Co.

NEW HAMPSHIRE

GRANITE STATE VENEER, INC.
North Stratford, N. H.

KELLER PRODUCTS, INC.
41 Union St., Manchester, N. H.
ANNUAL CAPACITY: 500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 300,000 sq. ft. Species: All.
PRODUCTS: Furniture; architectural plywood, curved or formed plywood.
PERSONNEL: R. R. Keller, pres.; S. W. Szkutnik, plant supt.
SALES AGENTS AND BRANCHES: U. S. Plywood Corp.

PLYWOOD PRODUCTS, INC.
Rt. 3, North Stratford, N. H.
ANNUAL CAPACITY: 75,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 60,000,000 sq. ft. Species: Birch; oak.
PRODUCTS: Stock panels, flush doors, prefinished plywood.
PERSONNEL: A. E. Salls, pres. & gen. mgr.; Charles Minkler, plant supt.; Victor P. Brune, vice pres. & sls. mgr.

UNITED STATES PLYWOOD CORP.—Tekwood Div.
Plant Address: Lakeport, New Hampshire.
Home Address: 44 West 55th, New York, N. Y.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 2,000,000 sq. ft. Species: Birch; beech; maple.
PRODUCTS: Furniture; stock panels; cupboard doors; tekwood, plain & colored; vulcaneer.
PERSONNEL: Gene C. Brewer, pres.; Thomas O. Gable, gen. mgr.

NEW YORK

GEORGIA-PACIFIC CORP.
McKeever, New York.
PERSONNEL: R. B. Pamplin, pres.; G. E. Brown, gen. mgr.; S. V. Ellis, plant supt.

JAMESTOWN VENEER & PLYWOOD CORP.
34 Steele Street, Jamestown, N. Y.

JAMESTOWN VENEER & PLYWOOD CORP.
Poland, New York.

KNIGHT VENEER AND PANEL CORP.
Lafayette St., Falconer, N. Y.
ANNUAL CAPACITY: 400,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; oak; beech; cherry; maple; basswood; obechi; cucumber.
PERSONNEL: Frank Shearman, pres.; Warren Waite, plant supt.; Charles Swanson, gen. mgr.

MAYES CO., INC.
Fleischmanns, N. Y.
ANNUAL CAPACITY: 6 to 8,000,000 sq. ft. (¼-in. basis) veneer. Species: Maple; birch; red oak; basswood; cherry; beech.
PERSONNEL: Murray Mayes, pres.; Harold Finch, plant mgr.; Wilbert Rivers, plant supt.; Murray R. Mayes, gen. mgr.

SETTER BROS. INC.
Cattaraugus, N. Y.
PRODUCTS: Architectural plywood.

NORTH CAROLINA

ALBEMARLE PLYWOOD, INC.
Box 125, Edenton, N. C.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) plywood. Species: Tupelo; black gum; sweet gum; poplar; maple.
PRODUCTS: Furniture.
PERSONNEL: T. J. Holden, Jr., pres.; R. B. Spivey, plant supt.

ARMENTROUT VENEER CO., INC.
Plant Address: Box 466, High Point, N. C.
Home Address: 900 W. Ray St., High Point, N. C.
Species: Poplar.
PERSONNEL: J. J. Armentrout, pres.; L. C. Armentrout, gen. & sls. mgr.

CALYPSO PLYWOOD CO., INC.
Calypso, N. C.
ANNUAL CAPACITY: 15,000,000 sq. ft. (¼-in. basis) plywood. Species: Gum; poplar; exotic woods.
PRODUCTS: Furniture.
PERSONNEL: B. E. Bryan, pres.; W. D. Kornegay, Jr., gen. mgr.

CAROLINA PANEL CO., INC.
Lexington, N. C.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Walnut; mahogany; oak; limba; poplar; gum; cherry.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: L. M. Grimes, Sr., pres.; C. H. Hargrave, gen., sls. & plant mgr.; C. H. Young, plant supt.
SALES AGENTS AND BRANCHES: Victor S. Barnes & Co., Grand Rapids, Mich.; Seeling & Jones, York, Pa.

Elma Plywood Corporation
Telephone, Elma 2521
ELMA, WASHINGTON

Elma . . 4'x4' Plywood
SHEATHING . .
does the job...FASTER!
MORE ECONOMICAL!
and EASIER!

CAROLINA PLYWOOD CO., INC.
Apex, N. C.
ANNUAL CAPACITY: 500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 500,000 sq. ft. Species: Mahogany; oak; gum; poplar; maple.
PRODUCTS: Furniture.
PERSONNEL: E. M. Edwards, Sr., pres.; E. M. Edwards, Jr., prod. mgr.; C. M. Edwards, sls. mgr.

CHADBOURN VENEER CO., INC.
Chadbourn, N. C.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) veneer. Species: Sap gum; tupelo; black gum; maple; oak; poplar.
PERSONNEL: W. Scott Russ, pres.

DAVIS WOOD PRODUCTS, INC.
Plant Address: Hudson, N. C., and Blenheim, S. C.
Home Address: Hudson, N. C.
ANNUAL CAPACITY: 4,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4,000,000 sq. ft. Species: Gum; poplar; birch; walnut; mahogany; oak; maple; cherry.
PRODUCTS: Furniture.
PERSONNEL: J. Donald Davis, pres.; Gladen Adams, plant mgr.; James Barnett, gen. mgr.; Jack Davis, sls. mgr.; Donald Burton, plant supt.
SALES AGENTS AND BRANCHES: Arthur Marburg, New York, N. Y.

DENNY ROLL & PANEL CO.
207 Perry St., High Point, N. C.
PRODUCTS: Furniture.
PERSONNEL: D. Waring Smith, pres. & gen. mgr.; D. T. Harvey, Jr., plant mgr.

GEORGIA-PACIFIC CORP.
Box 487, Plymouth, N. C.
ANNUAL CAPACITY: 16,800,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 13,000,000 sq. ft. Species: Gum; sycamore; maple; poplar.
PRODUCTS: Furniture; stock panels; flush doors.
PERSONNEL: Robert B. Pamplin, pres.; Robert M. Bruce, plant mgr.; B. Gurganus, plant supt.; Frank R. Schuh, gen. mgr.; C. I. Batchelder, sls. mgr.

GORDON VENEER CO.
Box 416, Lexington, N. C.
ANNUAL CAPACITY: 11,000,000 sq. ft. single ply veneer. Species: Gum; poplar; sycamore; maple.
PERSONNEL: J. L. Gordon, plant, gen. & sls. mgr.; M. L. Kearns, Jr., plant supt.

GRAMWOOD OF NORTH CAROLINA, INC.
Plant Address: P. O. Box 366, Clarkton, N. C.
Home Address: P. O. Box 201, Jasper, Ind.
ANNUAL CAPACITY: 6,240,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; sweet gum; tupelo; black gum; maple; sycamore.
PERSONNEL: C. U. Gramelspacher, pres.; John W. Presnell, plant mgr.; J. C. Buie, plant supt.

HASTY VENEER CO., INC.
Maxton, N. C.
ANNUAL CAPACITY: 4 to 5 million sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4 to 5 million sq. ft. Species: Gum, poplar; oak; mahogany.
PRODUCTS: Furniture.
PERSONNEL: Thomas John, pres.; Roy Martin, plant mgr.; G. A. Walters, plant supt.

HAYWORTH ROLL & PANEL CO.
Grimes & High Sts., High Point, N. C.
PRODUCTS: Furniture.
PERSONNEL: J. R. Hayworth, pres.; A. B. Conrad, plant mgr.; R. L. LeFever, plant supt.

INGRAM PLYWOODS INC.
Thomasville, N. C.
ANNUAL CAPACITY: 1,500,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; gum; mahogany; walnut.
PRODUCTS: Curved or formed plywood.
PERSONNEL: Frank Ingram, pres., plant & gen. mgr.; Paul Adams, plant supt.

LAURINBURG PLYWOOD CORP.
Box 627, Laurinburg, N. C.
ANNUAL CAPACITY: 8,925,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 8,500,000 sq. ft. Species: Gum; poplar; oak; maple; walnut; birch; ash; mahogany.
PRODUCTS: Furniture; luggage.
PERSONNEL: J. F. McNair, Jr., pres.; A. J. Spivey, gen. mgr.

LENOIR VENEER CO.
Virginia St. (Box 586), Lenoir, N. C.
ANNUAL CAPACITY: 34,000,000 sq. ft. (1/20-in. basis) veneer; 7 or 8 million sq. ft. (¼-in. basis) plywood. Species: Poplar.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: James T. Broyhill, pres.; Green Suddreth, plant supt.; Henry Medlock, Jr., plant mgr.

McLEOD PLYWOOD BOX CO., INC.
Wadesboro, N. C.

NATIONAL VENEER CO.
Virginia St., Lenoir, N. C.
ANNUAL CAPACITY: 27,000,000 sq. ft. (¼-in. basis) veneer; 5,000,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; oak; gum; mahogany; maple; cherry.
PRODUCTS: Furniture.
PERSONNEL: Clyde Suddreth, pres.; Don A. Reid, plant mgr.; John T. Suddreth, plant supt.

NORWOOD VENEER CO., INC.
Norwood, N. C.
ANNUAL CAPACITY: 5,100,000 sq. ft. (¼-in. basis) veneer. Species: Gum; Poplar; Birch.
PERSONNEL: Clay V. Ring, pres.; R. M. Lovelady, gen. mgr.
SALES AGENTS AND BRANCHES: Ed Hanley, Newport, Vermont.

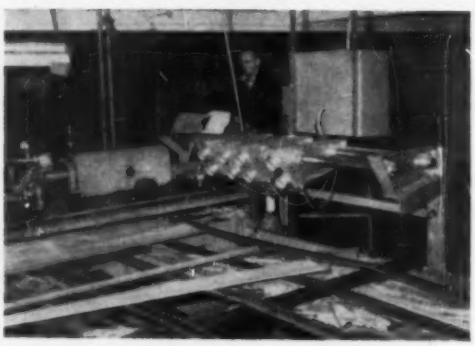
PRESCOTT PRODUCTS CORP.
Box 233, Elizabeth City, N. C.
ANNUAL CAPACITY: 18,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 15,000,000 sq. ft. Species: Gum; tupelo.
PRODUCTS: Stock panels.
PERSONNEL: J. C. Prescott, pres.; H. E. Ross, plant supt.; J. C. Prescott, Jr., gen. mgr.

QUALITY VENEER CO., INC.
Liberty, N. C.

PROVEN! Better than 1% savings in veneer!

TYPE CC-101 VENEER CLIPPER CONTROL

- More production at high speed—less waste in defect clipping at low speed because of two-speed operation.
- Less down time and fewer maintenance problems because of more reliable operation.
- More useable veneer—clips within ¼" of setting.



"THE STANDARD OF THE INDUSTRY"

Bring us your problems! In addition to clipper controls, we design and manufacture tray and tipple drives, conveyor controls, as well as other custom-built automatic controls and systems using electric, electronic, hydraulic and pneumatic components.

controls and communications co.
Diamond 5-8561
1695 W. 1st Ave.
Eugene, Oregon

KLAMATH MACHINE & LOCOMOTIVE WORKS INC.
P. O. BOX 908 • KLAMATH FALLS, OREGON, U. S. A.
Look for the Indian Head on all **KLAMATH MACHINE** *products*
Export Division: FRAZAR & HANSEN, Ltd.
301 Clay Street, San Francisco 11, California, U. S. A.

ENGINEERS • FOUNDERS • MACHINISTS
DESIGNERS and BUILDERS
HIGH GRADE SAWMILL MACHINERY

Species: Poplar.
PERSONNEL: J. G. Ritch, pres.; L. B. Dameron, plant supt.; J. G. Ritch, Jr., gen. mgr.

SOUTHERN VENEER CO., INC.
118 Liberty Drive, Thomasville, N. C.
Species: Poplar; gum.
PERSONNEL: C. H. Armentrout, pres. & plant supt.

STATESVILLE PLYWOOD & VENEER CO.
Box 707, Statesville, N. C.
ANNUAL CAPACITY: 1,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 1,500,000 sq. ft. Species: Any of the "better" face woods.
PRODUCTS: Furniture; stock panels.
PERSONNEL: E. M. Shelton, pres.; Cecil Richardson, plant supt.

STUBBS VENEER CO.
Box 458, Windsor, N. C.
ANNUAL CAPACITY: 3,515,177 sq. ft. (¼-in. basis) veneer. Species: Tupelo; poplar; sweet gum.
PERSONNEL: W. C. Bryant, plant supt.; D. H. Stubbs, gen. mgr.

THOMASON PLYWOOD CORP.
Fayetteville, N. C.
PRODUCT: Flush doors.
PERSONNEL: B. H. Thomason, pres.; D. R. Thomason, sls. mgr.; S. Doxey, plant mgr.; C. M. Albert, plant supt.

WELDON VENEER CO., INC.
Weldon, N. C.
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; gum; birch; walnut; cherry.
PRODUCTS: Stock panels; flush doors; specialties.
PERSONNEL: R. B. Metcalfe, pres. & plant mgr.

OHIO

CINCINNATI VENEER CO.
Plant Address: 4411 Este Ave., Cincinnati 32, Ohio.
Home Address: 2885 Diehl Rd., Cincinnati 11, Ohio.
ANNUAL CAPACITY: 2,000,000 sq. ft. (¼-in. basis) plywood; 5,000,000 sq. ft. (¼-in. basis) veneer. Species: Oak; walnut; maple; sycamore; cherry; poplar.
PRODUCTS: Furniture.
PERSONNEL: E. H. Unnewehr, pres. & gen. mgr.

PENNSYLVANIA

JASPER WOOD PRODUCTS CO., INC.
Plant Address: Watsontown, Pa.
Home Address: Jasper, Ind.
PERSONNEL: V. J. Gramelspacher, pres.; Louis Framme, plant mgr.

PENN VENEER CO.
PRR & Sumner St., York, Pa.
ANNUAL CAPACITY: 400,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; maple; oak; walnut; beech; ash.
PRODUCTS: Furniture; architectural plywood; cupboard doors; curved or formed plywood; prefinished plywood; flexible stair risers; bending plywood.
PERSONNEL: Clair S. Kauffman, pres. & gen. mgr.; Geo. Jacobs, plant mgr. & sls. mgr.

WOODY VENEER & LUMBER CO., INC.
Glen Rock, Pa.
ANNUAL CAPACITY: 1,000,000 sq. ft. (¼-in. basis) veener. Species: Poplar.
PERSONNEL: T. C. Coleman, pres.; W. J. Morehead, plant supt.

SOUTH CAROLINA

BENNETTSVILLE VENEER CO.
Plant Address: Marshall St. Ext., Bennettsville, S. C.
ANNUAL CAPACITY: 360,000 sq. ft. (¼-in. basis) veneer.
PERSONNEL: C. E. McManus, pres. & gen. mgr.; Samuel A. Gandy, plant supt.
SALES AGENTS AND BRANCHES: Edward N. Hanley, P. O. 295, Newport, Vt.

CAROLINA VENEER CO., INC.
Box 707, Orangeburg, S. C.
Species: Sweet gum; black gum; poplar; maple; sycamore; oak.
PERSONNEL: L. R. Smith, pres.

Willamette Plywood Corporation
WILL-PLY BRAND

PLY

Specialized Manufacture of fine Hardwood Plywoods

PLY

Ash	Oak	Teak
Elm	Maple	Walnut
Birch	V. G. Fir	Red Oak
Cherry	Knotty Pine	Phil. Mahogany (Rotary)
Knotty Cedar	Ponderosa Pine	Phil. Mahogany (Ribbon)

Phone Sherwood 3-2131 **Aumsville, Oregon** **TWX Aums 9079**

CAROLINA VENEER & PLYWOOD CO.
P. O. Box 1292, Florence, S. C.
Species: Mahogany; oak; maple; cherry.
PRODUCTS: Furniture.
PERSONNEL: Walter D. Tyler, Jr., gen. mgr.; Dan W. Tyler, sls. mgr.

DARLINGTON VENEER CO., INC.
Darlington, S. C.
ANNUAL CAPACITY: 30,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 24,000,000 sq. ft. Species: Gum; maple; walnut; birch; mahogany; cherry; oak; limba.
PRODUCTS: Stock panels; prefinished plywood.
PERSONNEL: Jack Ramsey, pres.; Joe Shuman, plant mgr.; Wiley Edens, sls. mgr.
SALES AGENTS AND BRANCHES: Diamond Hill Plywood Co.

DILLON VENEER & PLYWOOD CO.
Box 310, Dillon, S. C.
ANNUAL CAPACITY: 3,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,000,000 sq. ft. Species: Gum; poplar; oak; mahogany.
PRODUCTS: Furniture; specialize in oak and mahogany drawer bottoms.
PERSONNEL: E. C. Carr, Jr., pres. & gen. mgr.; J. B. House, plant supt.; E. Dewitt Spires, sls. mgr.

ELLOREE VENEER CO.
Box 161, Elloree, S. C.
ANNUAL CAPACITY: 4,800,000 sq. ft. (¼-in. basis) veneer. Species: Gum; poplar; ash; maple.
PRODUCTS: Single-ply operation specializing in gum and poplar crossbanding and core stock for furniture industries and panel trade.
PERSONNEL: Olin W. Watson, Jr., pres., gen. & plant mgr.; W. J. Deer, plant supt.

JOHNSTON VENEER CO., INC.
Park Avenue, P. O. Box 161, Johnston, S. C.
ANNUAL CAPACITY: 4,500,000 sq. ft. (¼-in. basis).
PRODUCTS: Furniture.
PERSONNEL: Homer N. Meier, pres.; H. C. Stubbs, Jr., gen. mgr.; J. T. Robinson, plant supt.
SALES AGENTS: Paralite Corp., 30-26 90th St., Jackson Heights, N. Y.

KING VENEER CO., INC.
Florence, S. C.
ANNUAL CAPACITY: 4,000,000 sq. ft. (¼-in. basis) plywood. Species: Southern hardwood.
PRODUCTS: Furniture.
PERSONNEL: C. Stimpson, Jr., pres.; Dan J. Taylor, Jr., plant supt.

L.D.T. VENEER AND PANEL CO., INC.
Box 672, Dillon, S. C.
ANNUAL CAPACITY: 7,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 7,500,000 sq. ft. Species: Gum; poplar; sycamore; maple; mahogany; walnut; oak; cherry; pine; birch.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: Hollis P. Traux, pres.; Douglas Truax, plant mgr.; Harry E. Clay, gen. mgr. & sls. mgr.

THE PLYWOOD COMPANY
Sumter, S. C.

POWE VENEER CO.
West DeKalb St., P. O. Box 116, Camden, S. C.
PRODUCTS: Furniture.
PERSONNEL: Edwin P. Guy, pres.; J. L. Boan, plant supt. & sls. mgr.

STANDARD PLYWOODS INC.
Old Laurens Rd., Clinton, S. C.
ANNUAL CAPACITY: 19,000,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; ash; cottonwood; maple; gum; sycamore; hackberry; oak; birch.
PERSONNEL: Bob Anderson, pres. & gen. mgr.; W. C. Sparkman, plant supt.; L. M. Wilson, sls. mgr.

THE STILLEY PLYWOOD CO., INC.
Plant Address: 16 Ave., Conway, S. C.
Home Address: Box 770, Conway, S. C.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Species: Gum; oak; African mahogany; ash; southern maple; walnut.
PRODUCTS: Furniture.
PERSONNEL: W. A. Stilley, Jr., pres.; Harry Lee, plant mgr.; W. A. Stilley, III, sls. mgr.

UNITED STATES PLYWOOD CORP.
(Orangeburg Division)
Plant Address: Orangeburg, S. C.
Home Address: 55 West 44th Street, New York 36, N. Y.
PRODUCTS: Stock panels; prefinished plywood.
PERSONNEL: B. P. Adams, gen. mgr.; C. B. Sease, sls. mgr.

WINNSBORO PLYWOOD CO.
S. Congress, Winnsboro, S. C.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 12,000,000 sq. ft. Species: Gum; poplar; sycamore; birch; maple; cottonwood.
PRODUCTS: Furniture; bed rails; luggage.
PERSONNEL: S. R. McMaster, Jr., pres.; D. S. Stokes, plant supt.; Q. McMaster, gen. mgr.; Lucas Ford, sls. mgr.

TENNESSEE

MEMPHIS PLYWOOD CORP.
337 E. Mallory Ave., Memphis 9, Tenn.
ANNUAL CAPACITY: 3,600,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,000,000 sq. ft. Species: Oak; walnut; maple; mahogany; pecan; cherry.
PRODUCTS: Furniture; flush doors.
PERSONNEL: M. H. Speltz, pres, gen. mgr. & sls. mgr.; L. W. Speltz, plant mgr.; Neil DeLong, plant supt.
SALES AGENTS AND BRANCHES: Travis-Applegate Company (Commission Agent, Grand Rapids, Mich.).

NICKEY BROS., INC.
2700 Summer Ave., Memphis, Tenn.
ANNUAL CAPACITY: 25,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 20,830,861 sq. ft. Species: Ash; birch; celtis; American cherry; African cherry; oak; walnut; African mahogany; Honduras mahogany; Philippine mahogany; gum; makore.
PRODUCTS: Furniture; stock panels; architectural plywood; prefinished plywood; marine; mobile homes.
PERSONNEL: S. M. Nickey, pres. & gen. mgr.; Don McCrite, plant mgr.; Joe E. West, sls. mgr.; E. L. Calhoun, plant supt.

PANOPLY CORP.
Lexington, Tenn.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 15,000,000 sq. ft. Species: Birch; maple; cherry; knotty pine; walnut; red oak; knotty cedar; white oak; Tenn. red cedar.
PRODUCTS: Stock panels.
PERSONNEL: J. W. Kennicott, pres.; John Brooks, plant mgr.; F. J. Hertel, sls. mgr.
SALES AGENTS AND BRANCHES: Robert J. Willis Co., Lexington, Tenn.; Triangle Plywood Sales, Michigan City, Ind.; Brown Thompson Sales, Syracuse, N. Y.

TEXAS

E. L. BRUCE CO. OF TEXAS
Plant Address: 1100 Cotton Ford Road, P. O. Box 826, Center, Texas.
Home Address: 1648 Thomas St., P. O. Box 397, Memphis 1, Tenn.
ANNUAL CAPACITY: 20,400,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 18,000,000 sq. ft. Species: All southern hardwoods.
PRODUCTS: Doors.
PERSONNEL: E. L. Bruce, Jr., pres.; Robert O'Donoghue, plant mgr.; C. T. Deaton, plant supt.; Walter J. Wood, sls. mgr.
SALES AGENT: Otto Nachlas & Assoc.

CURTIS MATHES MFG. CO.
Plant Address: Athens, Texas.
Home Address: 2220 Young St., Dallas 1, Tex.
ANNUAL CAPACITY: 2,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 2,000,000 sq. ft. Species: Maple; cherry; walnut; birch; ash; oak; African mahogany.
PRODUCTS: Furniture.
PERSONNEL: Curtis Mathes, Sr., pres.; Charles Mathes, plant mgr.; Dewey Hardy, plant supt.; Jack Long, sls. mgr.

WALKER PLYWOOD MFG. CO.
Box 425, Cleveland, Tex.
ANNUAL CAPACITY: 900,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 850,000 sq. ft. Species: Gum; oak; magnolia; sycamore.
PRODUCTS: Furniture.

VERMONT

ATLAS PLYWOOD CORP.
Plant Address: Morrisville, Vt.
Home Address: 635 Madison Ave., New York 22, N. Y.
ANNUAL CAPACITY: 14,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 12,000,000 sq. ft.
PRODUCTS: Furniture; box grade specialty.
PERSONNEL: M. M. Clairmont, pres.; M. M. Edson, plant mgr.; L. Sanders, plant supt.; L. L. Lovelette, sls. mgr.

BRADFORD VENEER & PANEL CO., INC.
Mill St., Bradford, Vt.

THREE
SISTERS
PLYWOOD,
INC.
Manufacturers of Exterior and Interior Fir Plywood Sheathing
Telephone WAbash 6-4424 · TWX Alby Ore 659 · · · P.O. Box 275 · ALBANY, OREGON

SALES AGENTS – VANCOUVER PLYWOOD CO. – VANCOUVER, WN.

NIELSEN

SAW & MANUFACTURING CO.

Now Serving The Plywood And Board Industries From 3 Strategic Locations

★ **PORTLAND**
723 E. BURNSIDE
PHONE BE 5-8060

★ **EUGENE**
7th PLACE AT McKINLEY
PHONE DI 3-3358

★ **ROSEBURG**
262 N.E. JACKSON
PHONE OR 2-3331

NIELSEN *Carbide*
SAWS, KNIVES, ROUTERS
FOR FAST, CLEAN, PRECISION PRODUCTION WITH LONGER WEAR, MINIMUM MAINTENANCE

CARBIDE SAWS—
A complete line of custom-quality saws for fast, prolonged production at lowest cost. All teeth tipped with tungsten-carbide, hardest metal yet developed for this purpose. Stays sharp 30 to 50 times longer than steel. Specially designed for trimming, skimming. Other Nielsen quality saws include Texture 1-1.1 sets, hogging units, patch saws.

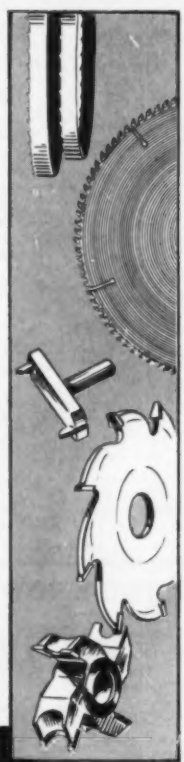
CARBIDE CUTTERS, ROUTER BITS—
For the most exact cutting and finishing, with long service and minimum maintenance. All types of special carbide-tipped router bits, shim saws, patch cutters for plywood production. Special patch cutters and router bits custom designed and manufactured for the wood, plastic and metal working industries.

CORE AND VENEER BAND SAW BLADES—
A wide range of 1" to 1¼" "job-tempered" band saw blades. Every Nielsen blade of finest quality saw steel, specially tempered, set and ground for the plywood and board industry. Custom lengths to fit any machine. Metal cutting blades also available.

CHAIN GRINDERS—
Nielsen Model H chain grinding machines for all pond, deck, and core cut-off saw chains; Model 250 for grinding all types of saw chain and circular saws.

CUSTOM SHARPENING SERVICE—
Nielsen offers round-the-clock sharpening and repair service for all types of carbide tipped cutters and saws.

DESIGN & ENGINEERING SERVICE—
Complete design and engineering service for special-purpose cutters such as tongue-and-groove, scarfing and v-grooving saws.



Call Your Closest NIELSEN Branch For Experienced, Fast Service and Sales Counsel

the accent's on

Resin — Fused Overlay
WELCHBOARD
Plywood Plus

WELCHBOARD makes sleek, sturdy panels. And Accent panels *make* the house. Actually, WELCHBOARD provides far more than good looks alone. It adds a real measure of dimensional stability and stubbornly resists all forms of weather and wear. That's because WELCHBOARD is plywood plus! It's exterior grade Douglas fir plywood—the only panel with a 1/16-inch thick overlaid face of phenolic resin and wood fibre. Result: A panel that is *always* smooth . . . perfect for paint, enamel or lacquer . . . easy to work . . . quick to erect. Accent panels of WELCHBOARD belong on your next house.

ANOTHER OUTSTANDING HOME OF WELCHBOARD.

Van Evera Bailey, AIA, created this home utilizing an exterior application of Welchboard board-and-batten—over three years ago. The exterior remains as smooth and free from checking as the day it was completed.

SEATTLE'S A I A HOME OF THE YEAR.

This beautiful award-winner, designed by architect Gene Zema, AIA, for his own residence, features striking accent panels of Welchboard in harmony with spacious window wall areas.

ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4,000,000 sq. ft. Species: Birch; maple; oak; basswood; pine; mahogany.
PRODUCTS: 100% furniture; kitchen cabinet doorskins.
PERSONNEL: W. J. Farr, pres., gen. & sls. mgr.; W. E. Lee, plant mgr.; W. Hartley, plant supt.
SALES AGENTS AND BRANCHES: Al J. Gallagher, 1 Exchange Bldg., Jersey City 2, N. J.; J. Wallace Smith, Benson East, 100 York Rd., Jenkintown, Pa.

THE FYLES COMPANY, INC.

Orwell, Vt.
ANNUAL CAPACITY: 1,000,000 sq. ft. (¼-in. basis) Species: Birch; maple; basswood.
PRODUCTS: Furniture; cupboard doors; other specialties.
PERSONNEL: Lyndon F. Fyles, pres.; Cleveland S. Fyles, plant mgr.

FYLES & RICE CO., INC.

Bethel, Vt.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Birch; bass; beech; maple; oak; ash; mahogany; walnut.
PRODUCTS: Furniture; architectural plywood; cupboard doors; other specialties.
PERSONNEL: D. M. Stearns, pres. & plant mgr.; Leslie Benedict, plant supt.
SALES AGENTS AND BRANCHES: Fyles & Rice Plywood Sales Co., Room 520 Broad St. Bank Bldg., Trenton, N. J.

RODDIS PLYWOOD CORP.
(formerly Owens Illinois Plywood Co.) Vermont Div.

Hancock, Vt.
ANNUAL CAPACITY: 12,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 12,200,000 sq. ft. Species: Birch; oak; basswood.
PRODUCTS: Stock panels; prefinished plywood.
PERSONNEL: R. G. Sherman, plant mgr.; S. M. Perry, plant supt.; H. C. Fidler, gen. mgr.

RODDIS PLYWOOD CORP.
(formerly Owens Illinois Plywood Co.) Vermont Div.

North Troy, Vt.
ANNUAL CAPACITY: 12,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 10,500,000 sq. ft. Species: Birch; oak; basswood.
PRODUCTS: Stock panels; specialties.
PERSONNEL: R. G. Sherman, plant mgr.; S. M. Perry, plant supt.; H. C. Fidler, gen. mgr.

VERMONT WOOD PRODUCTS, INC.

Plant Address: Rochester, Vt.
Home Address: Bethel, Vt.
ANNUAL CAPACITY: 3,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 1,600,000 sq. ft. Species Birch; bass; maple; walnut; mahogany; beech.
PRODUCTS: Curved or formed plywood; specialties.
PERSONNEL: D. N. Rice, pres. & plant mgr.; Wendell Eells, plant supt.
SALES AGENTS AND BRANCHES: Fyles & Rice Plywood Sales Co., Rm. 520, Broad Street Bank Bldg., Trenton, N. J.

VIRGINIA

BLUE RIDGE VENEER AND PLYWOOD CORP.

Box 312, Waynesboro, Va.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,000,000 sq. ft.
PRODUCTS: Furniture; specialties; luggage and chicken coops.
PERSONNEL: Julian V. Webb, pres., gen., sls. & plant mgr.; William H. Via, plant supt.

BURKEVILLE VENEER CO.

Burkeville, Va.

HANOVER VENEER CO.
Div. of Valley Veneer Co., Inc.

Plant Address: Doswell, Va.
Home Address: Bassett, Va.
PERSONNEL: G. M. Robertson, plant mgr.; Marshall Carneal, plant supt.

HENRY COUNTY PLYWOOD CORP.

Ridgeway, Va.
ANNUAL CAPACITY: 4,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,500,000 sq. ft. Species: Mahogany; walnut; cherry; oak; maple.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: R. P. Gravely, Jr., pres. & sls. mgr.; Clyde Lawing, plant mgr.; R. E. Palmer, gen. mgr.

INTERSTATE VENEER CO., INC.

Emporia, Va.

OLD DOMINION PLYWOOD CORP.

Bristol, Va.
Species: All hardwoods.
PERSONNEL: C. J. Stone, Sr., pres.; W. A. Harkleroad, plant mgr.

RIGGS VENEER CORP.

Box 346, Pulaski, Va.
ANNUAL CAPACITY: 3,000,000 sq. ft. (¼-in. basis) veneer. Species: Maple; red cedar; yellow poplar; white oak; red oak; walnut; white knotty pine.
PERSONNEL: Austin L. Riggs, pres. & sls. mgr.; Emery Riggs, plant & gen. mgr.; Raymond Riggs, plant supt.

THOMPSON MAHOGANY CO.

Plant Address: Norfolk Veneer Mills, Portsmouth, Va., & Cornelia Veneer Co., Cornelia, Ga.
Home Address: Edmund St. & Bleigh Ave., Philadelphia 36, Pa.
ANNUAL CAPACITY: 30,000,000 sq. ft. (¼-in. basis) veneer. Species: African mahogany; Philippine mahogany; teak; poplar.
PERSONNEL: Robert P. Thompson, pres.; John P. Staman, sls. mgr.

TIDEWATER VENEER CO.
Div. of Valley Veneer Co., Inc.

Plant Address: Fredericksburg, Va.
Home Address: Bassett, Va.
PERSONNEL: H. C. Haymes, Jr., plant mgr.; J. A. Conway, supt.

VALLEY VENEER CO., INC.

Plant Address: Bassett, Doswell and Fredericksburg, Va.
Home Address: Bassett, Va.
ANNUAL CAPACITY: 24,222,040 sq. ft. (¼-in. basis) veneer. Species: Oak; poplar; gum; sycamore.
PRODUCTS: Furniture.
PERSONNEL: J. D. Bassett, Jr., pres.; D. G. Young, gen. mgr.

VIRGINIA-CAROLINA VENEER CORP.

2900 W. Main St., Danville, Va.
ANNUAL CAPACITY: 21,000,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; sycamore; gum; southern birch.
PERSONNEL: Robert S. Jordan, Jr., pres.; J. L. Shone, plant supt.; C. S. Williams, gen. mgr.

VIRGINIA PLYWOOD CORP.

Box 2177, Danville, Va.
ANNUAL CAPACITY: 9,500,000 sq. ft. (¼-in. basis) plywood. Species: Poplar; gum; sycamore; birch; walnut; mahogany; oak; cherry; elm; knotty pine; butternut.
PRODUCTS: Furniture; stock panels; prefinished plywood; luggage.
PERSONNEL: Robert S. Jordan, Jr., pres.; George Sprinkle, plant supt.; Henry D. Whittle, Jr., sls. mgr.

WAYNE VENEER CORP.

Waynesboro, Va.
ANNUAL CAPACITY: 6,000,000 sq. ft. (¼-in. basis) veneer. Species: Poplar; gum; sycamore.
PERSONNEL: R. W. Armstrong, pres. & sls. mgr.; F. R. King, plant & gen. mgr.; Raymond Hyden, plant supt.

WEBB PLYWOOD CORP.

Rocky Mount, Va.
ANNUAL CAPACITY: 1,040,000 sq. gt. (¼-inch basis).
Product: Furniture.
PERSONNEL: J. Herman Webb, pres., gen. & sls. mgr.; J. C. Hall, plant supt.

WEST VIRGINIA

ALLEGHENY LUMBER CO.

P. O. Box 409, Elkins, West Va.
ANNUAL CAPACITY: 6,000,000 sq. ft.
PRODUCTS: Furniture; stock.
PERSONNEL: Morris J. Goldberg, pres.; Robert I. Solow, gen. mgr.; Paul Hedrick, plant supt.

MARTINSBURG VENEER CORP.

528-538 W. Race St., Martinsburg, W. Va.
ANNUAL CAPACITY: 4,000,000 sq. ft. (¼-in. basis) veneer. Species: Red oak; white oak; poplar; cherry; ash; walnut.
PERSONNEL: Boyd J. Cummings, pres.; C. Beryl Walker, plant mgr.; Joseph E. Kolb, gen. mgr.

WISCONSIN

ALGOMA PLYWOOD & VENEER CO.,
a Div. of U. S. Plywood Corp.

1001 Perry St., Algoma, Wis.
Species: Foreign and domestic hardwoods and plastics for facings.

COE

VENEER MACHINERY

LATHES
CLIPPERS
DRYERS
KNIFE GRINDERS

The COE MFG. *Co.*
Painesville, Ohio

IF YOU KNOW LUMBER, YOU KNOW

NICKEY

BROTHERS, INC.

2700 Summer Avenue • Memphis, Tennessee

MANUFACTURERS OF

Nickey's *Naturalwood* Walls

(factory-finished hardwood plywood wall paneling)

PLANKTYLE

(⅛" genuine hardwood strip flooring)

Thresholds and Treads • Philippine Mahogany Lumber
Hardwood Plywood & Veneers • Pres-to-Logs • Stabilite

PRODUCTS: Stock panels; architectural plywood; flush doors, curved or formed plywood, prefinished plywood, specialties.
PERSONNEL: R. P. Fulwiler, div. pres. & gen. mgr.; E. R. Rutledge, factory mgr.; G. R. Mercer, plant engr.; G. R. Thompson, asst. gen. mgr.; D. R. Turner, div. sls. mgr.; F. D. Kambach, div. compt. & treas.
SALES AGENTS AND BRANCHES: U. S. Plywood corp., 55 W. 44th St., New York 36, N. Y.

CONNOR LUMBER AND LAND CO.
Underwood Veneer Div.

Box 810, Wausau, Wis.
ANNUAL CAPACITY: 1,440,000 sq. ft. (¼-in. basis) plywood; 30,000,000 sq. ft. (1/24-in. basis) veneer. Estimated production for 1959 480,000 sq. ft. Species: Birch; maple; ash; oak; walnut; beech; basswood; elm; African mahogany; cherry.
PRODUCTS: Cupboard doors, flush doors; stock panels; church pews; die blox; bowling pins; dimen. lbr.
PERSONNEL: R. M. Connor, pres.; Walter Pulver, plant mgr. & supt.; L. C. Britten, gen. sls. mgr.; G. R. Connor, vice pres. & dir. of sls.; John J. Tomasik, ply. sls. mgr.
SALES AGENTS AND BRANCHES: Connor Hardwood Products, Chicago Ill.; Connor Lumber & Land Co., Laona, Wis.; Connor Lumber & Land Co., Wakefield, Mich.; Connor Timber Products, Sault Ste. Marie, Ontario, Canada.

CURTIS CO., INC., New London Div.

Plant Address: New London, Wis.
Home Address: Clinton, Iowa.
ANNUAL CAPACITY: 1,500,000 sq. ft. (⅛-in. basis). Species: Northern hardwoods.
PRODUCTS: Furniture; doors.
PERSONNEL: Geo. M. Curtis, pres.; T. K. Miller, gen. mgr.; F. Kreider, sls. mgr.; A. Luft, plant supt.; E. E. Fuhrmann, ser. mgr.

F. EGGERS PLYWOOD & VENEER CO.

Plant Address: East River St. ,Two Rivers, Wis.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 8,000,000 sq. ft. Species: Birch; ash; rosewood; maple; elm; butternut; oak; mahogany; limba; walnut; teak.
PRODUCTS: Furniture stock panels; architectural plywood; flush doors; other specialties.
PERSONNEL: G. S. Lester, pres & gen. mgr.; W. S. Park, plant mgr.; Carl Behring, plant supt.; G. E. Sorenson, sls. mgr.

FOX RIVER VENEER CO.

1849 West Packard St., Appleton, Wis.
Species: Maple.
PERSONNEL: A. C. Pahl, gen. mgr.

FROST VENEER,
Div. of Paine Lumber Co., Ltd.

Plant Address: Box 275, Antigo, Wis.
Home Address: Watson St., Antigo, Wis.
ANNUAL CAPACITY: 45,000,000 sq. ft. (1/24-in. basis) veneer. Species: Birch; maple; oak.
PERSONNEL: Henry Reed, Jr., pres.; Orval Sweeney, gen. mgr.; Henry E. Bannach, plant mgr.; Galin Steinfest, plant supt.

GILLETT VENEER & PLYWOOD CO.

Gillett, Wis.
ANNUAL CAPACITY: 7,800,000 sq. ft. (¼-in. basis) veneer. Species: Birch; maple; red oak; basswood; poplar.
PERSONNEL: F. P. Furlong, pres.; Oscar Sorensen, plant supt.; C. V. Nelson, gen. mgr.

GOODMAN LUMBER
Div. Calumet & Hecla, Inc.

Plant Address: Goodman, Wis.
Home Address: 122 South Michigan Ave., Chicago 3, Ill.
ANNUAL CAPACITY: 24,000,000 sq. ft. (1/24-in. basis) veneer. Species: Birch; hard maple; red oak; basswood.
PERSONNEL: H. Y. Bassett, pres.; J. C. Noblet, land & prod. mgr.; E. Sladewski, prod. supt.; G. A. Houghton, Jr., gen. mgr.; S. J. Gremban, sls. mgr.

HATLEY VENEER CO., INC.

Hatley, Wis.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) veneer. Species: Birch; maple; oak; ash; basswood.

BUY LUND'S
QUALITY
PRODUCT

We specialize in Texture 111 and long panels 8, 9, 10 and 12 feet lengths.

Rotary cut fir and vertical grain fir as well as Western Cherry, also parquet flooring and cupboard door stock with lumber core.

LUND PLYWOOD & MFG. CO.

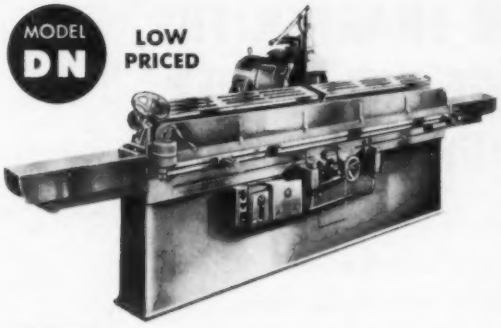
Manufacturers of Douglas Fir and Hardwood Products

P. O. Box 146
Crescent City, California

HANCHETT KNIFE GRINDERS

PREFERRED BY LEADING PLYWOOD MANUFACTURERS.

MODEL **DN** LOW PRICED



In practically every leading Plywood mill in the Country you will find a HANCHETT KNIFE GRINDER in operation.
Either the low priced, Standard Duty model DN, the GK heavy duty or Model AK Traveling Wheel Type, with capacity from 84" to 396" or larger, for extra heavy duty production.
These dependable grinders offer, smooth operation, finest materials, guaranteed construction, advanced design and freedom from shock or vibration, resulting in the finest finishes known to the Industry.
That is why, almost without exception, the plywood Industry shows such evident preference for HANCHETT KNIFE GRINDERS.

MODEL **AK**

EXTRA HEAVY DUTY **AK** MODEL
TRAVELING TABLE TYPE

Capacity — 32" to 196"
Motor — 5 — 7½ — 10 — 15 HP
Table Speeds — (Hydraulic 10' to 80' per min.)
Mechanical (Constant)
Gears — Helical
Bearings — Ball and Roller Types

OTHER MODELS

Model DN for normal knife Requirements — Sizes — 32" to 108" — Motors — 3-5 HP. Wheels — 10" to 14" Diameter — also straight Wheel and Circular Knife Grinders.

MODEL **GK** HEAVY DUTY

HANCHETT GRINDERS BIG RAPIDS MICHIGAN

HANCHETT MANUFACTURING CO.
5727 S. W. MACADAM AVENUE,
PORTLAND 1, OREGON
World's Largest Manufacturer of Knife Grinding and Saw Sharpening Machinery

PERSONNEL: D. A. Seehafer, pres.; C. A. Hoffmann, plant mgr.

LARSON PLYWOOD CO.
2110 N. 15th St., Sheboygan, Wis.

LINWOOD INC.
Gillett, Wis.
Species: Yellow birch; hard maple; basswood; red oak; soft maple; beech; white oak; elm; ash.
PRODUCTS: Furniture; curved or formed plywood; specialties.
PERSONNEL: Walter W. Smith, pres. & gen. mgr.; Kenneth Smith, plant mgr.
SALES AGENTS AND BRANCHES: Aetna Plywood and Veneer Co., 1731 Elston Ave., Chicago 22, Ill.

MARION PLYWOOD & VENEER
Marion, Wis.
ANNUAL CAPACITY: 750,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 575,000 sq. ft. Species: Birch; oak; basswood; maple; elm.
PRODUCTS: Stock panels; cupboard doors.
PERSONNEL: E. S. Rogers, pres.; T. E. Rogers, plant mgr.; J. G. Rogers, plant supt.

NELSON PLYWOOD CORP.
Gillett, Wis.
ANNUAL CAPACITY: 4,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,250,000 sq. ft. Species, red oak; yellow birch; hard maple.
PRODUCTS: Furniture, stock panels; cupboard doors; curved or formed plywood; oak door skins.
PERSONNEL: C. V. Nelson, pres. & gen. mgr.; Oscar Sorensen, plant supt.; J. D. Aldridge, sls. mgr.

NORTHERN HARDWOOD VENEER'S INC.
Butternut, Wis.
ANNUAL CAPACITY: 90,000 sq. ft. (¼-in. basis) veneer. Species: Birch; maple; ash; red oak; basswood.
PERSONNEL: V. E. Bukolt, pres.; Pat Campbell, plant supt.; Ed Derymiki, gen. mgr. & sls. mgr.

PLUSWOOD INDUSTRIES
1145 Oshkosh Ave., Oshkosh, Wis.
ANNUAL CAPACITY: 65,000,000 sq. ft. (¼-in. basis) plywood. Species: Birch; oak; mahogany; fir.
PRODUCTS: Stock panels; prefinished plywood.
PERSONNEL: A. Israel. plant supt.; F. L. Boschwitz, gen. mgr.

RODDIS PLYWOOD CORP.
115 S. Palmetto Ave., Marshfield, Wis.
ANNUAL CAPACITY: 90,000,000 sq. ft. (⅛-in. basis) plywood. Estimated production for 1959 75,000,000 sq. ft. Species: Birch; oak; maple; walnut; mahogany; elm; sycamore; basswood; ash; gum; fir; redwood; cottonwood.
PRODUCTS: Stock panels; architectural plywood; cupboard doors; flush doors; prefinished plywood; specialties.
PERSONNEL: C. H. Blanchar, pres.; A. C. Baudek, plant mgr.

SPLICEDWOOD CORP.
Plant Address: Ashland, Wis.
Home Address: Mellen, Wis.
Estimated production for 1959 30,000,000 sq. ft. (¼-in. basis) plywood. Species: Birch; oak; maple; elm; ash; basswood; walnut; mahogany.
PERSONNEL: M. C. McIver, pres.; John Povaser, plant mgr.; Cleon Kull, plant supt.; J. W. Saunders, sls. mgr.

WEBER VENEER & PLYWOOD CO.
Ft. East Maurer St., Shawano, Wis.
ANNUAL CAPACITY: 4,560,000 sq. ft. (3-ply basis) plywood. Estimated production for 1959 4,650,000 sq. ft. (3-ply basis). Species: Birch; basswood; maple; red oak; white oak; ash; elm; white pine.
PRODUCTS: Furniture stock panels; cupboard doors; architectural plywood; specialties.
PERSONNEL: Clarence R. Weber, gen. partner; Robert J. Weber, gen. partner; Wilbert Knope, plant supt.; Milton Eggert, sls. mgr.

WISCONSIN TIMBER & LAND CO., INC.
Mattoon, Wis.
ANNUAL CAPACITY: 1,620,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 1,870,000 sq. ft. Species: Maple; birch; basswood; oak; ash; cherry.
PRODUCTS: Furniture; dieboards; cupboard doors; stock panels.
PERSONNEL: Gerard Glowen, pres.; W. M. Fox, gen. mgr.

CANADA

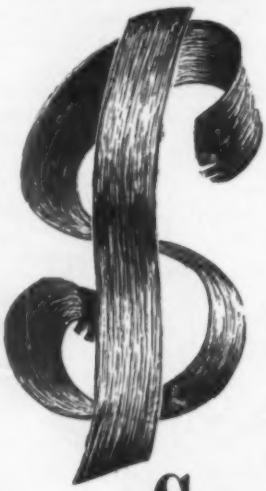
BELLERIVE VENEER & PLYWOOD, LTD.
Mont Laurier, P. Q., Canada.
ANNUAL CAPACITY: 20,000,000 sq. ft. (⅛-in. basis) plywood. Estimated production for 1959 20,000,000 sq. ft. (⅛-in. basis). Species: Birch.
PRODUCTS: Door panels.
PERSONNEL. Dr. T. Lachapelle, pres.; Dr. George Lachapelle, gen. & sls. mgr.

CANADA FLUSHWOOD MFG. LTD.
Theberge St., Terrebonne, P. Q., Canada.
ANNUAL CAPACITY: 7,000,000 sq. ft. (¼-in. basis) plywood.
PRODUCTS: Furniture; stock panels; flush doors.
PERSONNEL: J. E. Langlois, pres.; Bertrand Langlois, gen. mgr.; Raymond Roberge, sls. mgr.
SALES AGENTS AND BRANCHES: Warehouses: Toronto, Ottawa, Quebec City.

CANADA VENEERS LTD.
P. O. Box 460, Pembroke, Ont., Canada.
ANNUAL CAPACITY: 125,000,000 sq. ft. veneer. Species: Birch.
PERSONNEL: T. B. Bruun, pres.; A. C. McNair, mgr.

COLLINS & SONS VENEERS LTD.
P. O. Box 460 Montmagny, P. Que., Canada
ANNUAL CAPACITY: 5,000,000 sq. ft. (¼-in. basis) veneer. Species: Birch.
PERSONNEL: Maurice Collin, pres., gen. & sls. mgr.; Romeo Collin, plant mgr.; Romeo Savard, plant supt.
SALES AGENTS AND BRANCHES: Geo. L. Collins, 1026 Woodside Dr., Woodstock, Ont.

DOLLAR SHAVINGS



THE SHARPER THE EDGE THE KEENER YOUR PROFITS

From raw steel to final sharpening, we build in greater shock resistance and longer-lasting, sharper cutting edges . . . to give you more production at less cost.

Talk to us today about your requirements.

SPEAR & JACKSON

"The Saw Without a Flaw"

EUGENE, ORE.

30-103A

COMMONWEALTH PLYWOOD CO. LTD.

P. O. Box 70, St. Therese, Que.
ANNUAL CAPACITY: 40,000,000 sq. ft. (¾-in. basis) plywood; 20,000,000 sq. ft. (1/24-in. basis) veneer. Estimated production for 1959 15,000,000 sq. ft. Species: Birch; elm; Canadian oak; American oak; American walnut; mahogany.
PRODUCTS: Stock panels; architectural plywood; formed or curved plywood; prefinished plywood.
PERSONNEL: W. J. Caine, pres.; J. A. LaFleur, exec. vice pres.; M. P. Warrens, vice pres. & gen. sls. mgr.; B. Williams, prod. mgr.
SALES AGENTS AND BRANCHES: Commonwealth Plywood Co., Ltd., 1660 Parthenais Ave., Montreal, Que.; Commonwealth Plywood Co., Ltd., 341 Church Ave. (Mimico) Toronto, Ont.; Commonwealth Plywood Co., Ltd., Windsor, Ont.; Commonwealth Plywood, Inc., El Monte, Calif.; Robt. Bury Co. (Canada) Ltd., Toronto, Ont.; Robt. Bury Co. (Canada) Ltd., Montreal, Que.

CONTREPLAQUES STE. MARIE, INC.

Plant Address: Centre Industrial No. 5, Quebec, P. Q., Canada.
Home Address: Casier Postal 3173, St. Roch, Quebec.
Species: Birch.
PERSONNEL: Mde. J. U. Ste. Marie, pres.; Jean Picard, plant mgr.; Louis Fortin, sls. mgr.

COOPERATIVE FEDEREE DE QUEBEC

Plant Address: P. O. Box 400, Victoriaville, Que.
Home Address: Du Marche St., Victoriaville, Que.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¼-in. basis) veneer. Estimated production for 1959 250,000 sq. ft. Species: Birch.
PRODUCTS: Box grade plywood cut-to-size.
PERSONNEL: Paul-D. Cote, plant mgr. & supt.

CURVPLY WOOD PRODUCTS LTD.

Orono, Ont., Canada.
PRODUCTS: Furniture; architectural plywood; cupboard doors; flush doors; school desks; book compartments; bar cabinets and ping pong tables; curved panels.
PERSONNEL: E. H. Samuel, pres.; J. Klasner, vice pres. & plant mgr.

DOMINION AYERS WOOD PRODUCTS CO. LTD.

Lachute, Quebec, Canada.
ANNUAL CAPACITY: 10,000,000 sq. ft. (¾-in. basis) plywood. Estimated production for 1959 6,000,000 sq. ft. Species: Birch.
PRODUCTS: Furniture; stock panels; architectural plywood; flush doors; curved or formed plywood.
PERSONNEL: G. E. Ayers, pres.; G. A. Clermont, plant mgr.; Gerard Lefebvre, gen. mgr.; Larry Desormeaux, sls. mgr.; Jacques Bedard, plant supt.

DOMINION PLYWOODS LTD.

Southhampton, Ontario, Canada.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¾-in. basis) plywood. Estimated production for 1959 12,000,000 sq. ft. Species: American walnut; oak; American cherry; African mahogany; birch; knotty pine; knotty cedar; white mahogany; Burma teak; maple; elm; ash.
PRODUCTS: Furniture; stock panels; architectural plywood; cupboard doors; curved or formed plywood.
PERSONNEL: S. J. Zacks, pres.; J. Obright, prod. mgr.; D. R. McGillivray, gen. mgr.; R. Baker, plant supt.; O. B. Lamont, office mgr.
SALES AGENTS AND BRANCHES: W. C. Duffus Ltd., Kitchener, Ont.; Plywood Supply Co. Ltd., Kitchener, Ont., and Montreal, Que.; Regent Plywood Ltd., Hamilton, Ont.; Consolidated Plywood Corp., Montreal, Que.; Best Grade Lbr. & Plywood Ltd., Montreal, Que.; Laidlaw Lumber Co., Toronto, Ont.; Toohall Ltd., Kingston, Ont.; Economic Plywood Ltd., Montreal, Que.; Imperial Plywoods Ltd., Kitchener, Ont.

GENERAL WOODS & VENEERS LTD.

Plant Address: 1220 Blvd., Marie Victorin, Cite Jacques Cartier, P. Q., Can.
Home Address: Box 1059, Montreal, Can.
ANNUAL CAPACITY: 50,000,000 sq. ft. (1/28-in. basis) veneer. Species: Walnut; elm; rosewood; red & white oak; maple; mahogany; cherry; ash; zebrawood; birch; teak; avodire.
PERSONNEL: I. Elefant, pres.; L. Zinn, plant supt.; S. Grant, gen. mgr.

ALBERT-GIGAIRE LTEE

1155 Chemin de la Fonderie Shawinigan, P. Q., Canada.
ANNUAL CAPACITY: 57,000,000 sq. ft. (1/24-in. basis) veneer. Species: Birch.
PERSONNEL: Jean-Paul Gignac, gen. mgr.

GUELPH PLYWOOD COMPANY LTD.

Plant Address: Mattawa, Ont.
Home Address: 200 St. James St., Montreal, P. Q.
ANNUAL CAPACITY: 15,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 5,000,000 sq. ft. Species: Birch.
PRODUCTS: Furniture; stock panels; architectural; prefinished.
PERSONNEL: P. A. Cumyn, pres.; A. Cuccaro, plant mgr.; P. M. Graham, gen. & sls. mgr.; G. Smith, plant supt.

HAY & CO., LTD.

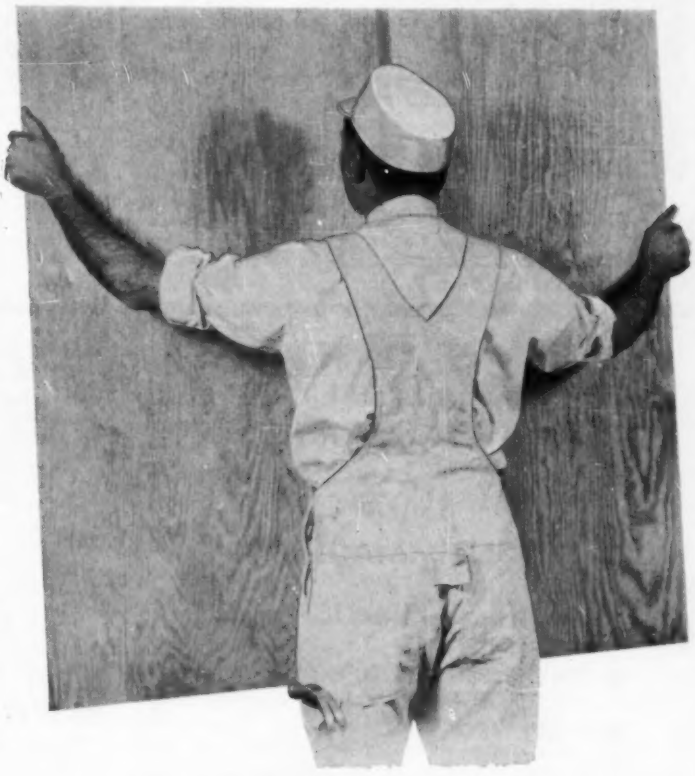
Norwich Ave., Woodstock, Ont., Can.
ANNUAL CAPACITY: 12,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 12,000,000 sq. ft. Species: Birch; elm; maple; basswood; fuma; walnut; oak; cherry; mahogany; korina; cedar; pine.
PRODUCTS: Furniture; stock panels; curved or formed plywood; prefinished plywood.
PERSONNEL: A. C. Zapp, gen. mgr.; J. H. McLeod, sls. mgr.
SALES AGENTS AND BRANCHES: Weldwood Plywood Ltd. (Montreal, Toronto, Ottawa, Quebec, London, Winnipeg, Sudbury, Three Rivers, Chicoutimi, Sherbrooke); J. Fyfe Smith Co., Ltd. (Vancouver, Edmonton, Calgary).

HUNTER VENEERS LTD.

Tweed, Ont.
ANNUAL CAPACITY: 2,000,000 sq. ft. (¼-in. basis) veneer. Species; Birch; maple; elm; poplar; mahogany; beech.
PERSONNEL: R. J. Hunter, gen. mgr.

INTERNATIONAL PLYWOODS LTD.

Plant Address: Gatineau, Quebec.
Home Address: Sun Life Bldg., Dominion Square, Montreal, Quebec.



Reliable Source Of Superior Plywood

100% hot-press construction of finest exterior and interior plywood. When you order, specify Hampton.

HAMPTON PLYWOOD COMPANY

MILL: REDCREST, CALIFORNIA

Sold exclusively through

HAMPTON LUMBER SALES CO.

Terminal Sales Building • CApitol 3-6271 • TWX PD 185-U • Portland 5, Oregon

PLYWOOD

Cut-Up Facilities

Special Service for Mills, Jobbers & Industrials

- Texture 1-11
- Shelving
- Table tops
- Trailer floor boards
- Pallets
- Diameters
- Outdoor signs
- Random Groove
- Utility tables
- Chair seats
- Parts racks & bins
- Cabinet parts
- Radio panels
- K.D. boxes
- Shiplap
- Tongue & Groove

SERVICES AND EQUIPMENT AVAILABLE

Machines include: double edge shaper for Texture 1-11 and grooved panels; Multiscore equipment for random grooved panels; cutoff saws, multiple rip saws, band saws, drill presses, shapers.

For custom-cut jobs or machined Plywood—Wire, Phone or Write

ENGINEERED PLYWOOD INC.

Box 123-AL
GRANTS PASS, OREGON
Phone GReenwood 6-6214

ANNUAL CAPACITY: 34,000,000 sq. ft. (¼-in. basis) plywood. Species: Birch; oak; ash; elm; maple; basswood; poplar.
PERSONNEL: V. E. Johnson, pres.; E. B. Wait, plant mgr.; R. G. Millar, gen. supt.
SALES AGENTS AND BRANCHES: International Panel Boards, Ltd., Gatineau, Quebec.

JAMAR PLYWOOD LTD.

Box 454, Main St., Kirkland Lake, Ontario.
ANNUAL CAPACITY: 16,000,000 sq. ft. (¼-basis) plywood. Estimated production for 1959 13,500,000 sq. ft. Species: Poplar; white birch.
PERSONNEL: O. L. Archer, pres.; E. S. Little, gen. mgr.; R. H. Gilbert, sls. mgr.
SALES AGENTS AND BRANCHES: Kingsway Lumber Co., Ltd.; Weldwood Plywood Ltd.; W. Clare Doffus Ltd.; Hill Clark Francis Ltd.; Haileybury Lumber Co., Ltd.

LA CIE PLACO LTEE

Plant Address: Tring Junction, Co. Beauce.
Home Address: 975 rue St. Prosper, Trois-Rivieres, P. Q.
ANNUAL CAPACITY: 6,665,000 sq. ft. (¾-in. basis) plywood. Estimated production for 1959 4,000,000 sq. ft. Species: Birch; maple; mahogany.
PRODUCTS: Furniture; flush doors.
PERSONNEL: Dr. F. X. Lacoursieres, pres.; Bernard Ranger, plant supt.; Leo Beaudry, plant supt., gen. & sls. mgr.

NISBET PLYWOOD LTD.

Plant Address: No. 2 Highway North, Prince Albert, Sk.
Home Address: Box 868, Prince Albert, Sk.
ANNUAL CAPACITY: 7,500,000 sq. ft. (¼- in. basis) plywood. Estimated production for 1959 7,500,000 sq. ft. Species: Poplar.
PRODUCTS: Structural sheathing and underlay.
PERSONNEL: W. D. Smith, pres., gen. & sls. mgr.; J. M. Atkinson, plant supt.; N. D. Read, sls. mgr.
SALES AGENTS AND BRANCHES: Hayward Lumber Ltd., Winnipeg; Panel-Ply, Ltd., Winnipeg; J. M. Fitzgibbons, Winnipeg; Sterling Hardware, Saskatoon.

NORTHERN PLYWOODS LTD.

Nipigon, Ont., Can.
ANNUAL CAPACITY: 15,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 14,000,000 sq. ft. Species: Aspen; poplar; birch.
PRODUCTS: Stock panels.
PERSONNEL: A. Jacks, plant mgr.; W. G. Harris, gen. mgr.
SALES AGENTS AND BRANCHES: J. M. Fitzgibbons & Panel Ply Ltd., Winnipeg, Man.; Regent Plywoods, Hamilton, Ont.; Imperial Plywood, Kitchener, Ont.; Laminated Bldg. Mat., Toronto, Ont.; Toohall Ltd., Kingston; Evans Lumber Co., Sudbury, Ont.; L. Avaro Forsyth, Halifax, N. S.

OWENS-ILLINOIS PLYWOOD (CANADA) LTD.

Princeville, Que.
ANNUAL CAPACITY: 35,000,000 sq. ft. (¼-in. basis) veneer. Species: Birch; maple.
PERSONNEL: J. Hobelsberger, pres.; Donald A. Lee, plant mgr. & supt.; John Besse, gen. mgr.; B. Armstrong, sls. mgr.
SALES AGENTS AND BRANCHES: Roddis Plywood Corp., Marshfield, Wis.; Roddis Lumber & Veneer Co. of Canada, Ltd., Sault Ste-Marie, Ont.

PANNILL VENEER CO., LTD.

Louisa & St. Leger Sts., Kitchener, Ont., Canada.
ANNUAL CAPACITY: 51,000,000 sq. ft. (1/24-in. basis) veneer. Species: Birch; walnut; mahogany; butternut; maple; basswood; white ash; gumwood; red oak; cherry; brown ash; white oak; elm; hickory.
PERSONNEL: W. A. Baechler, pres. & gen. mgr.; G. H. Baechler, plant mgr. & sls. mgr. of Hardwood Div.; Edson Smith, plant supt.; W. H. Fabian, sls. mgr. of Fancy Wood Div.

PRECISION PANELS, INC.

Plant Address: St. Basile, De Portneuf, P. Q.
Home Address: 181 Labelle Blvd., St. Rose de Laval, P. Q.
ANNUAL CAPACITY: 27,955,200 sq. ft. (¼-in. basis) plywood. Estimated production for 1959

STAR MACHINERY COMPANY

STAR SERVES
the Pacific Coast
PLYWOOD INDUSTRY

with the finest lines of
JOB-DESIGNED MACHINERY

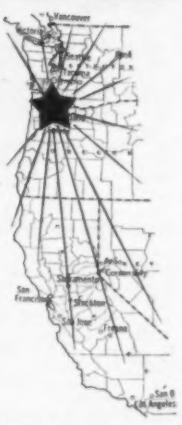
- **GM DIEHL MACHINE WORKS** — Veneer machinery
- **BERTHELSEN ENGINEERING WORKS** — Hot and cold presses
- **BLACK BROS., INC.** — Glue spreaders
- **NEWMAN MACHINE COMPANY** — Planers and matchers
- **TIMESAVERS, INC.** — Speed sanders
- **GRENCO, INC.** — Pre-finishing systems

STAR MACHINERY

Seattle 241 Lander MA 3-0760 • Spokane E. 415 Sprague RI 1-6121 • Portland 3325 N.W. Yeon CA 8-7395

YOU CAN GET THE BEST...RIGHT HERE

Olympic Manufacturing Co., Gresham, Oregon



VENEERS

Finest imported and domestic species, including choice vertical grain SPRUCE and FIR. Also sliced PHILIPPINE MAHOGANY . . . both red and white . . . all thicknesses. All veneers carefully selected for furniture, panel and door stock.

PHILIPPINE MAHOGANY CORESTOCK

Well manufactured, excellent quality, dependable continuing supply. Priced competitively.

WRITE, WIRE OR PHONE • MO 5-2161

The only full-time slicer plant on the West Coast.

OLYMPIC
MANUFACTURING COMPANY
GRESHAM — DOMESTIC AND IMPORTED VENEERS — OREGON
A DIVISION OF THE DEAN COMPANY

INTERSTATE CONTAINER CORPORATION

RED BLUFF, CALIFORNIA

A modern plywood plant, manufacturing quality D. F. P. A. Grade-marked Douglas Fir Plywood

INTERIOR SHEATHING
•
SPECIALISTS IN 3-PLY

NNP CONTAINER GRADES
•
STANDARD 48 x 96

Exclusive Sales Agent:

INTERSTATE PLYWOOD SALES CO.

P. O. Box 808 — GRANTS PASS, OREGON
Phone: GReenwood 6-4383 — TWX: Grants Pass Ore 159U
Sales Manager: L. V. "Larry" ST. ONGE

•

Southern California Representative:

BUS McNEIL
641 S. Atlantic Blvd. — Los Angeles, Calif.
Phone: ANgelus 1-0606
TWX: LA 1769

BOOST PRODUCTIVITY AND EFFICIENCY up to 20% through 100% INSPECTION

WITH LAUCKS Sentry

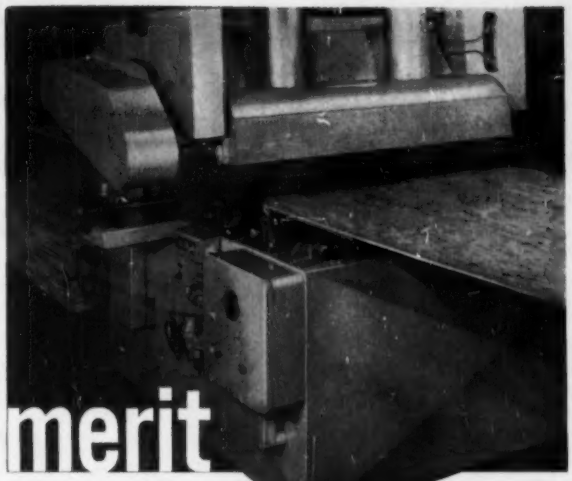
Laucks Sentry Monitor with Brown Electronik Recorder

CONTINUOUS MOISTURE DETECTORS

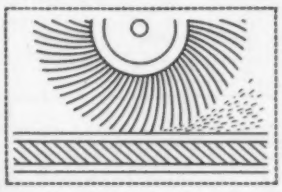
Sentry systems are recognized as the standard of performance and accuracy in measuring, marking and recording moisture content in plywood, lumber, insulating board and certain granular materials. Positive 100% inspection eliminates time and manpower involved in random testing. If desired, a continuous recorder can be used with the automatic marker to provide a permanent profile of your production.

There's a Sentry system matched to your moisture control requirements. Write for full details.

LAUCKS LABORATORIES, INC.
1201 POPLAR, SEATTLE 44, WASHINGTON
Serving the forest industries over half a century



merit FLEX-DRUM SANDER



Sands, polishes, satin-finishes: sealed and coated panels, particle and hardwood, veneers, plastics — in a single pass.

The New Merit Flex-Drum Sander will do what no other equipment will do. In **one pass** through the machine it removes "nibs", raised fibers, rough spots and actually produces a hand-rubbed finish. Surface is uniformly finished all over.

As the drum rotates it "wipes" hundreds of coated leaves of abrasive cloth over the work surface. Pressure is adjustable for every degree of sanding — from rough to final polishing. The brushing action avoids the grinding/sanding action produced by belts and drums — no danger of cutting through thin coatings or veneers or damaging sensitive surfaces. Abrasive leaves are one-piece design, they leave no dividing lines.

Merit Flex-Drum Sanders may be had in various sizes to handle panel widths up to 60". Grits are available from #50 to #320. Slotted drum mandrel permits change of grits or replacement in a matter of minutes — a feature not found on any other sander. Manual or conveyor fed.

Low in price and economical to operate. The first one ever installed finished millions of square feet of surface without requiring an adjustment or replacement of abrasive. Write for descriptive literature and prices.

merit

merit products inc.

3691 LENAWEE AVENUE, LOS ANGELES 16, CALIF.

Manufacturers of the famous SAND-O-FLEX and GRIND-O-FLEX, flexible sanding and grinding wheels.

6,600,000 sq. ft. Species: Birch; basswood; maple; poplar; ash; mahogany; elm; beech; oak.
PRODUCTS: Furniture, stock panels, flush doors, door panels.
PERSONNEL: E. M. Martin, pres. & gen. mgr.; M. LaFleur, plant supt.; C. F. Stowe, sls. mgr.
SALES AGENTS AND BRANCHES: Plywood Associates Inc., 181 Blvd. Labelle, St. Rose, P. Q.

RODDIS LUMBER & VENEER CO. OF CANADA LTD.

Plant Address: 3rd Line & Peoples Rd., Sault Ste. Marie, Ont.
Home Address: Box 698, Sault Ste. Marie, Ont.
ANNUAL CAPACITY: 25,000,000 sq. ft. (¼-in. basis) veneer. Species: Yellow birch; hard maple.
PERSONNEL: Jack Hobelsberger, pres. & gen. mgr.; John Besse, plant mgr.; Vello Hansson, plant supt.; B. L. Armstrong, Veneer sls. mgr.; W. B. Pahl, lumber sls. mgr.

STE. MARIE PLYWOODS INC.

Centre Industriel No. 5, Quebec.
Species: Birch; maple.
PRODUCTS: Furniture; stock panels; architectural plywood.
PERSONNEL: Jean Picard, plant supt.; Louis Fortier, sls. mgr.

STANIFORTH LUMBER & VENEER LTD.

Plant Address: Kiosk, Ont.
Home Address: 437 St. James St. W., Montreal, P. Que.
ANNUAL CAPACITY: 22,000,000 sq. ft. (1/24-in. basis) veneer. Species: Yellow and white birch.
PERSONNEL: H. F. Staniforth, pres.; W. D. Staniforth, gen. mgr.; A. Mantha, plant supt.
SALES AGENTS AND BRANCHES: Conrad Veneers, Portland, Ore.; Plunkett-Webster Lumber Co., Inc., New Rochelle, N. Y.

WATERLOO PLYWOOD LTD.

Waterloo, Quebec.
ANNUAL CAPACITY: 4,800,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 3,000,000 sq. ft.
PRODUCTS: Furniture; plywood packing cases.
PERSONNEL: R. H. Robinson, pres.; E. A. Sheppard, plant mgr.; W. A. Williams, plant supt.; A. J. Buckland, gen. mgr.; D. Y. Dalton, sls. mgr.

WILBERFORCE VENEER & LUMBER CO. LTD.

Wilberforce, Ont., Can.
ANNUAL CAPACITY: 2,852,604 sq. ft. (¼-in. basis) veneer. Species: Birch; elm; maple; poplar; basswood; ash; beech.
PERSONNEL: J. T. Wallace, pres.; B. Gibbs, plant supt.; F. H. Herlikey, gen. mgr.

WORLD PLYWOOD & VENEER CO. LTD.

St. Casimir (Co. Portneuf), P. Q., Canada.
ANNUAL CAPACITY: 40,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 30,000,000 sq. ft.
PRODUCTS: Stock panels, prefinished plywood.
PERSONNEL: M. Cohen, pres.; A. Bruce, plant mgr.; J. Paskell, gen. mgr.

EASTERN SPECIALTY PLANTS

DREXEL FURNITURE CO.

P. O. Box 337, Kingstree, S. C.
ANNUAL CAPACITY: 7,500,000 sq. ft. (¼-in. basis) plywood; 48,000,000 sq. ft. (¼-in. basis) veneer. Estimated production for 1959 7,500,000 sq. ft. Species: Gum; poplar; maple.
PRODUCTS: Furniture. No sales to outside; all material to own furniture plants.
PERSONNEL: W. B. Bower, plant mgr.; J. C. Gregory, plant supt.

EASTERN FURNITURE LTD.

51 DeBigarre St., Victoriaville, P. Q.
ANNUAL CAPACITY: 20,000,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 9,000,000 sq. ft.
PRODUCTS: Furniture.
PERSONNEL: J. D. Gagne, pres.; Jacques Gagne, plant mgr.; P. E. Gagne, gen. & sls. mgr.; C. E. Rioux, plant supt.

E. B. FRYE & SON.

Wilton, N. H.
Species: Native hardwood and white pine. Veneers from logs are all used in own products.

HI GRANE BOARD CO.

Plant Address: 205 Arthur, Fort Worth, Tex.
Home Address: Box 7013, Fort Worth, Tex.
Species: Fir; oak; ash; walnut; cherry; birch; lauan.
PRODUCTS: Prefinished plywood.
PERSONNEL: A. G. Myers, pres. & gen. mgr.; J. A. Myers, sls. mgr.

J-TEX PANEL COMPANY, INC.

Plant Address: Canada & Bolton Sts., Jacksonville, Tex.
Home Address: Box 1088, Jacksonville, Tex.
PRODUCTS: Furniture; stock panels; cupboard doors; church furniture. Specialty overlay plant overlaying particle board with high-grade veneer for the furniture and building industry.
PERSONNEL: K. N. Stordalen, pres. & gen. mgr.; Earl H. Williams, sls. mgr.

LAMINATING SERVICES, INC.

4700 Robards Lane, Louisville 18, Ky.
Phone: Woodland 9-2391.
SPECIAL PRODUCTS: Pliant wood—wood veneers with fabric backing for walls. Pliant wood cover plates—switch cover plates with wood veneer laminated to match paneled walls. Marbo wood edging—wood veneers with paper back for shelf edging, furniture, repair, etc.
PERSONNEL: Charles L. Westray, pres.; Charles G. Morrow, sls. mgr.; Albert Cooke, plant supt.

LULLABYE FURNITURE CORP.

235 N. Third St., Stevens Point, Wis.

NATIONWIDE—
Leading Jobbers Recognize

"Medply"

ALL HOT-PRESS PANELS
MEDFORD VENEER AND PLYWOOD CORPORATION
WHITE CITY, OREGON

WESTERN FOREST SALES CORPORATION
3319 North Central Avenue
PHOENIX, ARIZONA
Exclusive Sales Representatives

The most modern Sanded mill specializing in 3-Ply, high-grade plywood. Douglas Fir Plywood—Exterior, Interior, Sheathing.

Order with Confidence — Supply with Pride

"Medply"

Member Douglas Fir Plywood Association

ANNUAL CAPACITY: 3,500,000 sq. ft. (¼-in. basis) plywood. Estimated production for 1959 4,000,000 sq. ft.
PRODUCTS: Furniture; cupboard doors; specialties.
PERSONNEL: E. V. Bukolt, pres.; Vilas Glodowski, plant mgr. & supt.; John Wysocki, gen. mgr.; V. J. Bukolt, sls. mgr.

MARSH PLYWOOD CORP.

Plant Address: Pamplico, S. C.
Home Address: High Point, N. C.
Estimated production for 1959 7,125,000 sq. ft. ¼-in. basis) specialty plywood. Species: Gum.
PRODUCTS: Furniture.
PERSONNEL: J. E. Marsh, pres.; J. C. Bennett, plant mgr.; D. W. Shuford, plant supt.

MIRATILE MANUFACTURING CO.

Plant Address: County Rd. No. 3, Box 6, Elkhart, Ind., and 8201 S. Wallace, Chicago 20, Ill.
Home Office: 8201 S. Wallace, Chicago 20, Ill.
Telephone: Hudson 8-4000.
SPECIAL PRODUCTS: Miraply prefinished plywood; Miratile plastic finished tileboard.
PERSONNEL: A. J. Theis, pres.; G. F. Jordan, exec. vice pres.; W. J. Bennett, vice pres. operations; B. M. Naddy, vice pres. sales; T. P. O'Donnell, comptroller.
SALES AGENTS: Jerry Coakley, 4309 S. Stevens, Richland Hills, Fort Worth, Tex.; Beau Potter, 212 Magnolia, Whittier, Calif.; Phil Mullaney, 4 Duncan Dr., Hamilton Square, Trenton 90, N. J.

PLY-CURVES, INC.

1615 Monroe, N.W., Grand Rapids, Mich.
ANNUAL CAPACITY: 2,000,000 sq. ft. (¾-in. basis). Estimated production for 1959 1,800,000 sq. ft. Species: Gum; poplar; ash; birch; beech; maple; oak; walnut; mahogany; cherry; elm.
PRODUCTS: Curved or formed plywood.
PERSONNEL: O. W. Lowry, Jr., pres., plant, gen. & sls. mgr.; Andy Vanbronkhorst, plant supt.

PLYWOOD PRODUCTS CO., INC.

Home Address: Baer Field, Ft. Wayne, Ind.
Plant Address: Baer Field, Ft. Wayne, Ind., and 1346 Railroad St., Corona, Calif.
Telephone: RE 7-0651. Teletype: Corona, Cal. 9223.
SPECIAL PRODUCTS: Prefinished hardwood plywood paneling.
PERSONNEL: L. M. Flahive, pres.; B. A. Cruse, gen. mgr.; Joe Malkovich, sls. mgr.; John Carter, plant mgr.

SOUTHERN LAMINATING CO.

Plant Address: 1601 Clancy St., Memphis, Tenn.
Home Address: Box 115, Memphis 1, Tenn.
ANNUAL CAPACITY: 9,000,000 sq. ft. (¼-in. basis). Estimated production for 1959 9,000,000 sq. ft. Species: Gum; sycamore; elm.
PRODUCTS: Furniture; curved or formed plywood.
PERSONNEL: F. S. Kuhns, gen. mgr.

STANLEY CORP.

Stanley, Wis.
Species: Red, uniform and natural birch; select white birch; white maple; red oak; poplar; walnut; mahogany; cherry.
PRODUCTS: Furniture; stock panels; cupboard doors; laminated plastic products.
PERSONNEL: Dominic Reali, plant supt.; Walter H. Ziegler, gen. mgr.

WARVEL PRODUCTS, INC.

Plant Address: 15 Franklin Ave., Gillett, Wis.
Home Address: 1056 Ernst Dr., Green Bay, Wis.
ANNUAL CAPACITY: 3,000,000 sq. ft. (¼-in. basis). Estimated production for 1959 1,500,000 sq. ft. Species: Northern birch; hard maple; southern tupelo.
PRODUCTS: Curved or formed plywood; flat tops; tablet arms.
PERSONNEL: H. S. Warvel, pres. & gen. mgr.; Karl Ehlers, plant mgr. & plant supt.

WELSH PLYWOOD CORP.

1228 Hollywood St., Memphis, Tenn.
Phone: FA 3-8521. Teletype: ME 499.
PRODUCTS: Prefinished plywood; prefinished moldings; hardwood trim; imported and domestic plywood.
EQUIPMENT: Prefinish machinery; moulders.
PERSONNEL: James R. Welsh, pres.; C. M. Cooper, gen. mgr.; Andy Welsh, sls. mgr.; Robert Brown, plant mgr.

Western Plywood Plants

Producing: • Hardwood • Cedar • Larch • Spruce • Redwood • White Fir • Hemlock Panels

HARDWOOD PLYWOOD: Aberdeen Plywood & Veneers, Inc., Aberdeen, Wash.; Anacortes Veneer Inc., Anacortes, Wash.; Astoria Plywood Corp., Astoria, Ore.; Beaty Laminated, Ltd., Richmond, B. C.; Birchwood, Inc., Maywood, Calif.; Brookings Plywood Inc., Brookings, Ore.; Buffelen Woodworking Co., Tacoma, Wash.; Diamond Lumber Co., Tillamook, Ore.; Elliott Bay Mill Co., Seattle, Wash.; Everett Plywood & Door Corp., Everett, Wash.; Farwest Plywood Co., Tacoma, Wash.; Harbor Plywood Corp., Aberdeen, Wash.; International Paper Co., Longview, Wash.; Jones Veneer & Plywood Co., Eugene, Ore.; Klamath Hardwoods, Inc., Kdamath Falls, Ore.; Lane Laminators, Inc., Eugene, Ore.; Mount Baker Plywood, Inc., Bellingham, Wash.; North Pacific Plywood, Inc., Tacoma, Wash.; Northwest Door Co., Tacoma, Wash.; Plywood Mfg. Co. of Calif. Inc., Torrance, Calif.; Puget Sound Plywood Inc., Tacoma, Wash.; Roddiscraft, Inc., Arcata, Calif.; Roseburg Lumber Co., Plant No. 1, Dillard, Ore.; St. Paul & Tacoma Lbr. Co.; Olympia, Wash.; Simpson Logging Co., McCleary, Wash.; Simpson Logging Co., Portland, Ore.; Southern Oregon Plywood, Grants Pass, Ore.; U. S. Plywood Corp., Seattle, Wash.; Washington Plywood Co., Inc., Everett, Wash.; Western Plywood (Alberta) Ltd., Edmonton, Alberta; Western Plywood Inc., Vancouver, B. C.; Willamette Plywood Corp., Aumsville, Ore.

CEDAR PLYWOOD: Aberdeen Plywood & Veneers, Inc., Aberdeen, Wash.

LARCH PLYWOOD: Cascades Plywood Corp., Polson Div., Polson, Mont.

SPRUCE PLYWOOD: Astoria Plywood Corp., Astoria, Ore.; Brookings Plywood Corp., Brookings, Ore.; Centralia Plywood Inc., Centralia, Wash.; Diamond Lumber Co., Tillamook, Ore.; Fort Vancouver Plywood Co., Vancouver, Wash.; Grants Pass Plywood Inc., Grants Pass, Ore.; Oregon Washington Plywood Co., Garibaldi, Ore.; Peninsula Plywood Corp., Port Angeles, Wash.; Structural Laminates, Inc., Beaverton, Ore.; S & K Limited, Ply. Div., Kelowna, B. C.; Tillamook Veneer Co., Tillamook, Ore.; U. S. Plywood Corp., Willamina, Ore.

REDWOOD PLYWOOD: Simpson Redwood Co., Eureka, Calif.

WHITE FIR PLYWOOD: Oroville Corp., Oroville, Calif.; Pacific Plywood Co., Dillard, Ore.; Pickering Lumber Corp., Standard, Calif.; U. S. Plywood Corp., Anderson, Calif.; Winton Lumber Co., Martell, Calif.

HEMLOCK PLYWOOD: Anacortes Veneer, Inc., Anacortes, Wash.; Cascades Plywood Corp., Lebanon, Ore.; Centralia Plywood, Inc., Centralia, Wash.; Diamond Lbr. Co., Tillamook, Ore.; Dwyer Lumber & Plywood Co., Portland, Ore.; Elliott Bay Mill Co., Seattle, Wash.; Everett Plywood & Door Corp., Everett, Wash.; Farwest Plywood Co., Tacoma, Wash., Lacey Plywood Co., Inc., Lacey, Wash.; Donald W. Lyle, Inc., Tacoma, Wash.; Oregon Washington Plywood Co., Garibaldi, Ore.; Peninsula Plywood Corp., Port Angeles, Wash.; St. Paul & Tacoma Lbr. Co., Olympia, Wash.; Simpson Logging Co., Shelton and Olympia, Wash.; Lyons, Portland and Idanha, Ore.; Structural Laminates, Inc., Beaverton, Ore.; Three Rivers Plywood & Timber Co., Darrington, Wash.; Valsetz Lumber Co., Valsetz, Ore.; Washington Plywood Co., Inc., Everett, Wash.; West Coast Plywood Co., Aberdeen, Wash.; Weyerhaeuser Co., Snoqualmie Falls, Wash.; Willamette Valley Lumber Co., Dallas, Ore., and Sweet Home, Ore.

PINE PLYWOOD: Aberdeen Plywood & Veneers, Inc., Aberdeen, Wash.; Astoria Plywood Corp., Astoria, Ore.; Brookings Plywood Corp., Brookings, Ore.; Elliott Bay Mill Co., Seattle, Wash.; Fort Vancouver Plywood Co., Vancouver,

MILL SALES AGENTS

- Douglas Fir Plywood
- Interior Plywood
- Exterior Plywood
- Sheathing

MANUFACTURERS

- Fir Veneer
- TKV—Paper Faced Veneer
- Bond-Bord—Paper Faced Lumber Sheathing
- Mouldings

For top quality lumber and lumber products look to— TW&J

TARTER, WEBSTER & JOHNSON, INC.
P.O. BOX 3498
San Francisco 19, California
PRospect 6-4200 Teletype SF 211
WPA

Wash.; Harbor Plywood Corp., Aberdeen, Wash.; International Paper Co., Long-Bell Div., Weed, Calif.; Klamath Hardwoods, Inc., Klamath Falls, Ore.; Lacey Plywood Co., Inc., Lacey, Wash.; Mt. Baker Plywood Inc., Bellingham, Wash.; Potlatch Forests Inc., Lewiston, Idaho; S & K Ltd., Ply. Div., Kelowna, B. C.; St. Paul & Tacoma Lumber Co., Olympia, Wash.; Simpson Logging Co., Olympia, Wash.; Lyons and Portland, Ore.; Southern Oregon Plywood, Grants Pass, Ore.; U. S. Plywood Corp., Anderson, Calif.; Western Plywood Co., Ltd (Cariboo), Quesnel, B. C.

UNITED KINGDOM PLYWOOD PLANTS

ADAMS AND CO. (London) LTD.
Canal Works, Bentinck Rd.
West Drayton, Middlesex

BORST BROS., LTD.
Taylors Rd.
Stotfold, Beds.

BRITISH PLYWOOD MANUFACTURERS, LTD.
Wharf Rd., Ponders End
Middlesex

CORTA LTD.
180 Albion Rd.
Stoke Newington, London, N. 16

EXPRESS VENEERING CO., LTD.
Waterden Rd.
London, E. 15

FACTORIES DIRECTION, LTD.
Lydney, Glos.

FLEXO PLYWOOD INDUSTRIES, LTD.
South Chingford, London, E. 4.

HACKNEY VENEERED PLYWOOD MANUFACTURING CO., LTD.
Arnold Rd.
Bow, London, E. 3

A. HARVEY, LTD.
The Arena
Maidenhead

F. HILLS AND SONS, LTD.
Norton Rd.
Stockton-on-Tees, Co. Durham

S. B. & N. LANDAU
Arnold Rd.
Bow, London, E. 3

JAMES LATHAM, LTD.
Leeside Wharf
Clapton, London, E. 5

WM. MALLINSON AND SONS, LTD.
130 Hackney Rd.
London, E. 2

NATIONAL PLYWOOD CORPORATION, LTD.
Carpenters Rd.
Stratford, London, E. 15

RELIABLE PLYWOOD CO., LTD.
Warburton St.
London, E. 8

RENN'S SHAPED PLY, LTD.
63 Fuller St.
Bethnal Green, London, E. 2

J & H ROSENBERG, LTD.
Sardina House
Kingsway, London, W. C. 2

H. SHAWYER & SONS, LTD.
Manor Rd.
Stoke Newington, London, N. 16

STANDARD PLYWOOD MANUFACTURING CO., LTD.
Taplow St.
London, N. 1

THAMES PLYWOOD MANUFACTURERS, LTD.
Harts Lane
Barking, Essex

TUCKER ARMOURED PLYWOOD CO., LTD.
Crayford, Kent

TYNE TIMBER & VENEERS, LTD.
Willington Quay
Wallsend-on-Tyne

VENESTA, LTD.
Queen Street Place
London, E. C. 4

UNITED AFRICA CO., LTD.
Bridgwater House
Great Suffolk St.
London, S. E. 1

WHITEHALL VENEERS, LTD.
Whitehall, Leeds 12

SOUTH AFRICA PLYWOOD PLANTS

PLYWOOD LIMITED
P. O. Box 3
Parow, Cape Province

VENEERED PLYWOODS (SA) (PTY) LTD.
P. O. Box 111
Boksburg, Transvaal

THE MARTIN BROS. CONTAINER & TIMBER PRODUCTS CORP.

Plants	Toledo Ohio	Oakland Ore.	Sutherlin Ore.	Whittier Cal.	Salinas Cal.	Roseland La.

PLYWOOD DIVISION
Oakland, Oregon
Sales Office: Toledo, Ohio
DOUGLAS FIR PLYWOOD
DFPA CERTIFIED
Interior and Exterior
TWX To 578
Phone CHerry 8-4241

LUMBER DIVISION
Oakland, Oregon
Sutherlin, Oregon
Sales Office: Oakland, Oregon
OLD GROWTH DOUGLAS FIR
SUGAR PINE — HEMLOCK
Kiln-Dried or Green
TWX OAK 8031
Phone 2211

LUMBER REMANUFACTURING DIVISION
Sutherlin, Oregon
Moulding—Millwork—Frames—Jambs—Siding
Sales Office: Oakland, Oregon
TWX OAK 8031
Phone 2211

CONTAINER DIVISION
SALINAS, CAL.
WHITTIER, CAL.
Sales Office: Whittier, Cal.
San Francisco, Cal.
WIREBOUND SHIPPING CONTAINERS
For Every Purpose
Export — Domestic — Industrial
TWX SF 456
Phone OXbow 3-7745
Phone SUtter 1-2260

THOMAS SKINNER (PTY) LTD.
P. O. Box 888
Durban

GENERAL BOX CO. LTD.
P. O. Box 159
Stellenbosch

RAYMOND PLYWOOD (PTY) LTD.
P. O. Box 4601
Johannesburg

MEXICAN PLYWOOD PLANTS

TRIPLAY de PARRAL, S. A.
Apartado Postal No. 153
Parral, Chih.

CIA. INDUSTRIAL MADERERA de CAMPECHE, S. A.
Carretera Lerma a Campeche
Campeche, Camp.

PLYWOOD PONDEROSA de MEXICO, S. A.
Victoria No. 14, Desp. 507
Chihuahua, Chih.

CHAPAS y TRIPLAY, S. A.
Balderas No. 44, Desp. 206
Mexico, D. F.

TRIPLAY y MADERAS de DURANGO, S. A.
Juarez No. 104 Sur.
Durango, Dgo.

MEDVAL
Cuernavaca No. 140
Mexico, D. F.

CIA. FORESTAL de OAXACA, S. R. L.
Gante No. 15, Desp. 418
Mexico, D. F.

MADERAS INDUSTRIALIZADAS de QUINTANA ROO, S. de R. L.
Calle 22 de Enero No. 48
Chetumal, Q. R.

MADERAS LAMINADAS, S. de R. L.
Bolivar No. 202
Mexico, D. F.

MADERERA del TROPICO
Tiziman, Yucatan, Mex.

PHILIPPINE PLYWOOD PLANTS

TAGGAT SAWMILL CO., INC.
Claveria, Cagayan
Luzon Island

STA. CLARA LUMBER CO., INC.
Tondo, Manila
Luzon Island

INTERNATIONAL HARDWOOD & VENEER CORP.
Sta. Ana, Manila
Luzon Island

INSULAR VENEER CORP.
Sta. Ana, Manila
Luzon Island

PLASTIC BONDED PLYWOOD MFG. CO., INC.
Polo, Bulacan
Luzon Island

(Continued on page 198)

STANDARD

Quality

EXTERIOR and INTERIOR FIR PLYWOODS

★

CATERING TO THE

CALIFORNIA MARKET

. . . with direct truck deliveries

Members of the Douglas Fir Plywood Association

DFPA TESTED QUALITY

STANDARD
VENEER & TIMBER CO.
P. O. BOX 578
CRESCENT CITY, CALIF.

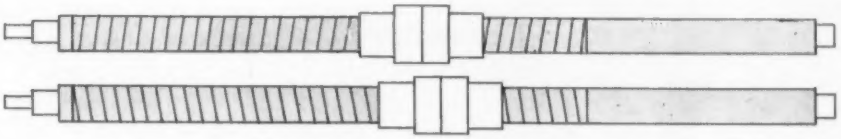
Phone INgersoll 4-3154 TWX 773

Electro Chrome **MILL DIVISION**

Phone EAst 4-2300 **311 - 12th Ave. South, Seattle 44, Washington**

PEELER PRESSURE BARS ROLLER & SOLID

ELECTRO CHROME permits closer operating tolerances, resulting in a more uniform peel, a longer efficient life. Its glass-like finish resists pitch buildup and increases peeling speeds. Improved efficiency from block to sanded panel.



LATHE SCREWS and NUTS

The extreme smoothness of our polished chrome and its near diamond hardness, properly applied with precise uniformity, gives 3 to 5 times the efficient life of regular steel screws.

We furnish new screws or recut threads, recondition and plate worn screws. We make and fit nuts to screws **after** plating and to the exact tolerance necessary for uniform feeding.

THE RIGHT CHROME—IN THE RIGHT WAY—IN THE RIGHT THICKNESS

There is a difference

RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY

Richlite

PLASTIC LAMINATES and PLASTIC OVERLAYS

RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICHLI

RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICH

PHENOLIC LAMINATES

For a Thousand Industrial Uses

RICHLITE OVERLAY

For Plastic-Faced Plywood

Pioneers In The Field of Plastic
Faced Plywood and Plastic
Laminates for Industrial Uses

Address Inquiries as to Plastic Faced Plywood and Richlite Overlay to Rainier Plastics Company (Division of Rainier Plywood Company), 2142 East 'D' Street, Tacoma (2), Washington.

RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY RICHLITE OVERLAY

SPECIALTY PRODUCTS MANUFACTURERS OF THE DOUGLAS FIR PLYWOOD INDUSTRY

HIGH DENSITY OVERLAY

Anacortes Veneer Inc.	ARMORON	Natural, Black
	ARMORON (Conc. Form)	Grey-Green
Georgia-Pacific Corp.	GPX General Use	Natural, Black
	GPX (Conc. Form)	Natural
Harbor Plywood Corp.	HARBORITE HD	Warm Tan, Black
Edward Hines Lumber Co.	HI-DENSITY	Natural, Black
International Paper Co.	HIGH DENSITY OVERLAID	Natural, Black
Simpson Logging Co.	HIGH DENSITY OVERLAID	Natural, Black
St. Paul & Tacoma Lumber Co.	PLYGLAZE	Natural, Black
	PLYGLAZE (Conc. Form)	Natural
U. S. Plywood Corp. Seattle, Wash.	PERMAPLY	Natural, Black
	EVERUSE	Natural, Black
Washington Plywood Co., Inc.	EVERFORM (Conc. Form)	Natural

MEDIUM DENSITY OVERLAY

Anacortes Veneer, Inc.	ARMORITE	Wood Tone
Diamond Lumber Co.	CREZON SURFACED	Wood Tone
Georgia-Pacific Corp.	GPX GREEN	Light Green
	GPX YELLOW	Wood Tone
Harbor Plywood Corp.	HARBORITE SUPER GRADE	Brown
	HARBORITE (Conc. Form)	Brown
	SPECIAL HARBORITE	Brown
Edward Hines Lumber Co.	EHLCO-PLY	Wood Tone
International Paper Co.		Wood Tone
Mt. Baker Plywood, Inc.	CREZON SURFACED	Wood Tone
Roseburg Lumber Co.	CREZON SURFACED	Wood Tone
Simpson Logging Co.		Wood Tone
St. Paul & Tacoma Lumber Co.	PLYALOY	Wood Tone
U. S. Plywood Corp.	DURAPLY	Coral
Washington Plywood Co., Inc.	EVERLAST	Wood Tone
West Coast Plywood Co.	WELCHBOARD	Wood Tone

RELIEF GRAIN (Brushed)

Durable Plywood Co.
ETCH-PLY
Everett Plywood & Door Corp.
BRUSHT-PLY
Georgia-Pacific Corp.
RIPPLEWOOD
Harbor Plywood Corp.
HARBORWAVE
Martin Brothers
BEAUTY-PLY
Medford Veneer & Plywood Corp.
WINDRIFT
Mt. Baker Plywood Inc.
DRIFTWOOD
Northern California Plywood Inc.
ROYAL-PLY
North Pacific Plywood Inc.
DECO PANEL
Puget Sound Plywood Inc.
GRAINGLO
Roddiscraft Inc.
Roseburg Lumber Co.
BRUSH WOOD
Simpson Logging Co.
SHADOWOOD
St. Paul & Tacoma Lumber Co.
MOIRE
United States Plywood Corp.
SEA SWIRL
SURFWOOD

TEXTURE ONE-ELEVEN

Anacortes Veneer, Inc.
Buffelen Woodworking Co.
Cascades Plywood Corp.
Centralia Plywood, Inc.
Columbia Veneer Co.
Diamond Lumber Co.
Durable Fir Lumber & Plywood Co.
Durable Plywood Co.
Evans Products Co.
Everett Plywood & Door Corp.
Fort Vancouver Plywood Co.
Georgia-Pacific Corp.
Giustina Veneer Co.
International Paper Co.
Lane Plywood, Inc.
Menasha Plywood
Multi-Use Panel Corp.
Mt. Baker Plywood, Inc.
North Pacific Plywood, Inc.
Northwest Door Co.
Puget Sound Plywood, Inc.
Roddiscraft, Inc.
Roseburg Lumber Co.
St. Paul & Tacoma Lumber Co.
Simpson Logging Co.
Snellstrom Lumber Co.
Southern Oregon Plywoods, Inc.
The Pacific Coast Co.
U. S. Plywood Corp.
Valley Plywood Co.
West Coast Plywood Co.

OTHER SPECIAL PATTERNS

Pacific Plywood Co.
SHAN-TONG
SKETCHWOOD
KASKADE
Roddiscraft, Inc.
TWEED
CADENCE
SKETCHWOOD
STRIAT
Simpson Logging Co.
PLYWEAVE
STRIATED
U. S. Plywood Corp.
WELDTEX

HARDBOARD FACED (Plyron)

Anacortes Veneer, Inc.
Cascades Plywood Corp.
Columbia Veneer Co.
Durable Fir Lumber & Plywood Co.
Ft. Vancouver Plywood Co.
Georgia-Pacific Corp.
Industrial Plywood Corp.
International Paper Co.
North Pacific Plywood, Inc.
Plywood Corporation of America
Roseburg Lumber Co.
Simpson Logging Co.
Southern Oregon Plywoods, Inc.
The Pacific Coast Co.
U. S. Plywood Corp.

Need a Building?

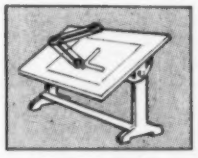
CALL or WRITE

CON FAB INC

FOR PROMPT, FREE ESTIMATE

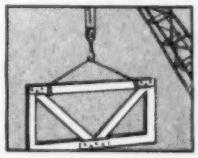
WE BUILD WITH TIMBER

All types of lumbermen's structures. Strict economy through use of forest products. Prompt service and practical solutions for custom building requirements.



PLANNING— ESTIMATING

Our complete engineering service and free estimates will assist in your budget requirements.



FABRICATION— CONSTRUCTION

Fast field fabrication using your material wherever possible. Versatile building procedures to assure successful completion of your project.

TAKE ADVANTAGE OF OUR LUMBER INDUSTRY EXPERIENCE TODAY BY REQUESTING A PROPOSAL.

CONSTRUCTION FABRICATORS, INC.
OF OREGON
P.O. Box 7095 CHerry 6-3338 Portland 19, Oregon
80 Stanestown LOmbard 6-5718 San Francisco 27, Calif.

MATER SAWMILL AUTOMATION EQUIPMENT

SEE US FOR AUTOMATIC MACHINES . . . FOR EVERY PART
OF YOUR MILL . . . FROM LOG HAUL TO GREEN CHAIN . . .

Mater Packaged Automation Sawmills

MATER MACHINE WORKS, INC.

P. O. Box 410 — Corvallis, Oregon — Phone PLaza 3-7335

READY FEBRUARY 15

1960 PLYWOOD DIRECTORY

Including . . .

- **PLYWOOD DISTRIBUTORS** (of the United States)
- **PLYWOOD AND VENEER PRODUCERS** (of the United States, British Columbia, United Kingdom, South Africa, Mexico and the Philippines)
- **HARDBOARD & PARTICLE BOARD PRODUCERS** (of the United States and Canada)

A comprehensive Plywood Directory now being compiled.

Reserve your copies now.

Price $5 per copy.

The Lumberman

500 HOWARD ST.
SAN FRANCISCO 5, CALIFORNIA

Kindly enclose remittance to avoid billing details

EASTERN PLYWOOD CO.
Pasig, Rizal
Luzon Island

PHILIPPINE PLYWOOD CORP.
Tagkawayan, Quezon
Luzon Island

WOODWORKS, INC.
Tandoc, Camarines Sur
Luzon Island

MARLI VENEER & PLYWOOD CORP.
Bayawan, Negros Island
Negros Island

PLYWOOD INDUSTRIES, INC.
Butuan City
Mindanao Island

PLYWOOD INDUSTRIES, INC.
Gingoog, Misamis Oriental
Mindanao Island

FINDLAY MILLAR TIMBER CO.
Kolambugan, Lanao
Mindanao Island

TIMBER EXPORTS, INC.
Baliwasan, Zamboango City
Mindanao Island

STA. CLARA LUMBER CO.
Kabasalan, Zamboango del Sur
Mindanao Island

STA. CLARA LUMBER CO.
Daliao, Davao City
Mindanao Island

PHILIPPINE WOODCRAFT & VENEER CORP.
Mabini, Davao
Mindanao Island

PHILIPPINE VENEER PLANTS

STA. CECILIA SAWMILLS, INC.
Calauag, Quezon
Luzon Island

BISLIG BAY LUMBER CO.
Bislig, Surigao
Mindanao Island

MAHOGANY PRODUCTS (Phil.), INC.
Butuan City
Mindanao Island

MAMENTER VENEER INDUSTRIES
Davao City
Mindanao Island

MISAMIS LUMBER CO.
Sirawai, Zambonga del Sur
Mindanao Island

JORDAN brings you...

PLYWOODS of the WORLD

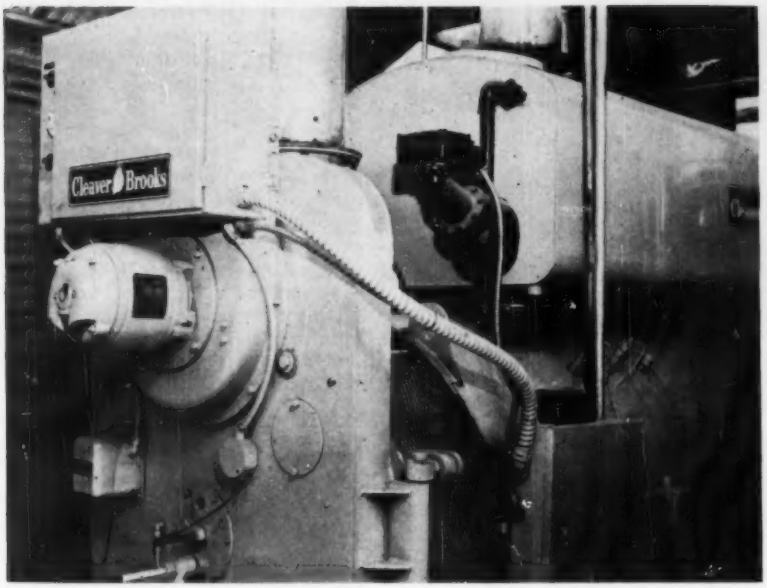
Plywood today means many woods from many countries, with endless uses from the commercial to the exotic. All over the world the finest of equipment is producing plywood and we bring it to you from Japan, Belgian Congo, Nigeria, Cameroons, West Germany, Belgium, Chile and Malaya. A great variety of patterns are available in such woods as Mansonia, American Black Walnut, Paldao, Birch, Indian Rosewood, Teak, Tamo, Elm, Cherry, Zebrawood, Mahogany, Philippine Mahogany and Sen. Let us know your needs: we can supply the plywood to fit them.

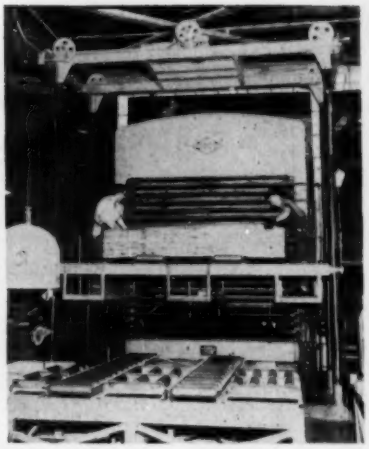
JORDAN INTERNATIONAL COMPANY

444 Market Street · San Francisco 11 · YUkon 2-7127

CABLE ADDRESS: JORDINCO

Oil Replaces Steam in California Plant Press



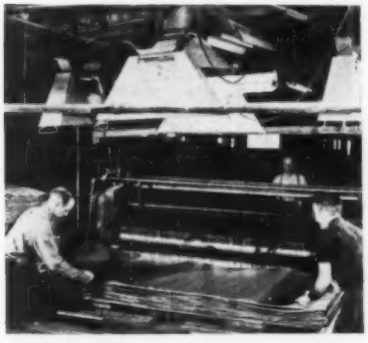


New hot press is a Fjellman. Production is 4 million square feet a month.

Cleaver Brooks boiler provides hot oil for the oil-heated press. The boiler is gas-fired and is automatic. It is housed in an addition.

In its transition from a sheathing plant to a sanded plywood plant, Standard Veneer & Timber Co., Crescent City, Calif., has installed a new 20-opening hot press in which hot oil has been substituted for steam. This is an innovation in the industry says the plant's general manager, Frank Hendricks.

This plant has also installed two Sweed dryer feeders, an E. V. Prentice jointer and an edge gluer and a 6-line, 10-section Prentice dryer. Drying capacity has been increased about 80%.



Belt Sander Cuts, Polishes in One Pass

Columbia Laminating Co., Portland, Ore., has installed a Nylund belt sander to provide the smooth finish required in the variety of products it produces. Only minor adjustments are required in the unit for sanding or polishing. Its smoothing bar provides a sanding tolerance of plus-minus .003, regardless of surface or type of wood. Just minutes are required between cutting and polishing operations, with fast cutting and smoothing accomplished by the same belt on a single pass.

Either paper-back or cloth belts may be used.

Columbia Laminating makes a variety of laminated wood products combining particle board, hardwood and softwood veneers and overlays.

Guide Line Lights Mark Four Sides of Work Area

Carter Products Co., Grand Rapids, Mich., has developed a new light arrangement in which a battery of four lights, each projecting a single black line, marks all four sides of the work area. An installation at Roddis Plywood Corp., Arcata, Calif., permits a rapid, waste-free lay up of glued sheets ready for pressing. Workmen simple center each sheet under the markings to eliminate all possibility of short cross bands of centers.

The guide line lights will also project multiple parallel black lines or a single white line for marking dark material.

Faster Veneer Drying Increases Quality of Product

A 6-deck, 8-section E. V. Prentice veneer dryer at S & K Ltd., Plywood division, Kelowna, B. C. dries veneer faster at lower than usual temperature and turns out a veneer that is lighter in color, more flexible and possessed of better gluing qualities.

Result for the company is increased production through speedier drying and less splitting.

A feature of the equipment is the Prentice air flow control with a special fan designed to handle a larger volume of air. Air flow control doors equalize distribution of air to all decks.

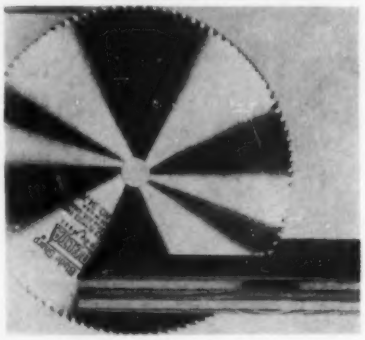
A variable drive allows veneer to pass through the dryer at any regulated interval between 3 and 50 minutes. The drive can be reversed to back out a charge. The S&K unit utilizes steam. A gas-type is available.

Graphalloy Bushings Simplify Operation

Graphalloy bushings manufactured by Graphite Metallizing Corp., Yonkers, N. Y. provide long service and simplify operations.

The No. 453 for refuse burner conveyors has operated continuously for years without downtime. Graphalloy saw shifter guides for saws decrease friction and vibration and do not cause the saws to heat. The cooler saws cut more accurately.

Graphalloy bushings for veneer and plywood machinery eliminate greasing of bearings. They are easily slipped into the present hangers. They prevent shaft and housing breakage.



Plywood Blade Eliminates Chipping, Splintering

The new blade from Rockwell Manufacturing Co. has a 7-inch diameter with 200 small teeth around its edge and a ⅝-inch arbor hole. It is made for 8, 9 and 10-inch saws. The smaller diameter increases cutting speed. The numerous small teeth, striking the wood in rapid succession, cut veneer fibers instead of chipping, shattering or splintering them.

Suspended Container Speeds Edge Sealing

Here's a handy idea to make panel edge filling easy. At Coquille Valley Lumber Co., Milwaukie, Ore., two men handle edge filling from a single Chem-Wood container. The container is suspended, rubber-tired dollie included. A pressure pump forces the filler through the hose for constant even flow. Entire unit is suspended from an overhead rail, easily moved back and forth so both sides of the stack can be worked at once.

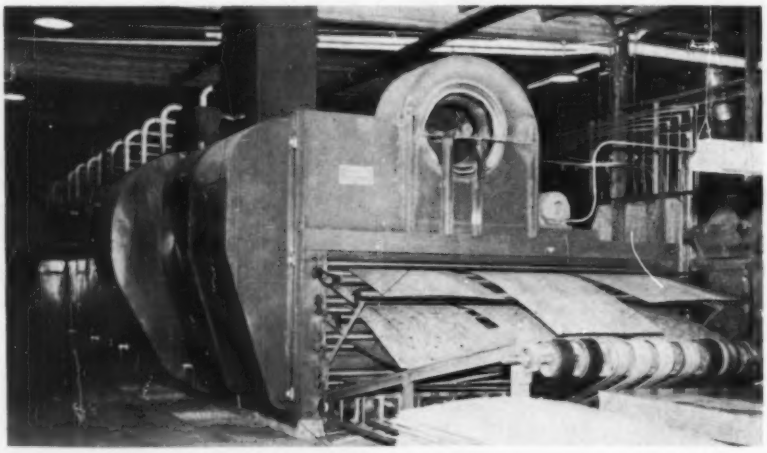
•

New Borden Rep

Bruce C. Duncan has been appointed plywood sales service representative for Borden Chemical Co. and will be responsible for sale of the company's full line of industrial wood adhesives in Washington.

Borden Lists Products Available to Industry

Borden Chamical Co. has compiled a product catalog and directory which lists specifications, end uses and other technical data for the more than 1000 products it manufactures and distributes. Products are reviewed in the general areas of basic chemicals, monomers, polymers, resins, adhesives, coating materials, plastic products, fine chemicals, organic intermediates and bio-chemical reagents. Copies are free from Department H, Borden Chemical Co., 350 Madison Avenue, New York 17, N.Y.



Second dryer recently added at Oroply Corp., Oroville, Calif., is a Moore Dry Kiln Co. 4-line, 16-section steam unit. The company added 18,000 square feet to its building to house the dryer.

Cascade Saw & Machinery New Ekstrom, Carlson Rep

TAD DOWLING

JOE WHITE

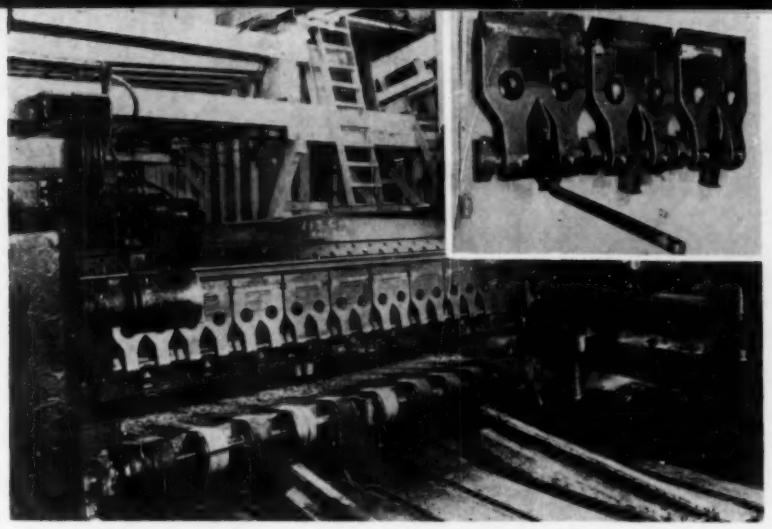
Cascade Saw & Machinery, Chehalis, Wash., has been named to represent Ekstrom, Carlson Co., Rockford, Ill., in the northwest.

Cascade will handle the ECCO line of woodworking machinery manufactured by Ekstrom, Carlson. This includes a complete line of saws, routers, moulders, sanders, shapers and other woodworking machinery.

Cascade is headed by Tad Dowling, owner and general manager, who has been in the sawmill equipment business for 15 years. Joe White is plant superintendent and shop manager of Cascade. He is a 10-year veteran. Dick Quay has been appointed resident salesman in Chehalis and will specialize in the sale and application of Ekstrom, Carlson machines.

•

• Georgia Pacific Corp. has signed an agreement with Clark Leasing Corp., a subsidiary of Clark Equipment Co., under which Clark will lease to G-P mobile materials handling equipment used in the company's 22 plants and 55 warehouses.



Veneer Knife Clamp Has Positive Holding

The new clamp developed by Elford Plywood Machinery, Inc., Portland, Ore., is designed for positive knife holding and to improve veneer quality while providing rapid knife changing, reduced maintenance and the use of thinner, less costly knives. It is designed to absorb the shocks of heavy production runs.

Cam action provides uniform pressure through easy level action and requires no adjustments after the initial setting is made. No special equipment or tools are required for installation.

Contact Adhesive Gains In Edge-Gluing Veneer

The F-1 veneer edge gluing process has proven economical in nine west coast plywood operations, W. E. Follett Co., Ltd., New Westminster, B. C., reports.

Most plants use converted high frequency or calrod equipment. However, four operations have installed continuous-sheet edge gluers specially developed for the F-1 contact-type adhesive process.

The machines edge glue only by application of pressure, are therefore called veneer crowders to differentiate them from conventional edge gluers.

The units are economical, leading several plants to consider edge gluing of core veneer to increase production of panel lay-up operations. Interest is increasing in edge-gluing total veneer production to improve recovery of dried veneer and to eliminate need for accurate width control in the green clipping operations.

World Reports

(Continued from page 113)

In the summer of 1959 resistance started building up in the United States market. In August, the exporters' association announced that it would take "the most drastic" measures the export industry had ever tried.

However, on September 28 a typhoon hit mid-Honshu, immersing practically all the plywood factories of the city, many of which were completely destroyed. One third of the nation's production capacity was suspended. Rehabilitation will not be completed until early 1960.

On January 1, 1959, Japan had 218 plywood factories with a production potential estimated to exceed 5 billion square feet. This compares with 3.2 billion square feet in 1958. Production is probably about 80% lauan products.

Some figures show that in 1958 Japan exported 930 million square feet of plywood, 627 million feet of which went to the United States. Veneer movement to the U. S. in 1958 is said to have increased 30 times the average annual of the previous few years.

Government officials estimate production in the first six months of 1959 at 1.5 billion square feet and exports to the U. S. in the first eight months at 469 million square feet.

The Japanese plywood industry was disturbed during the year when the House of the Philippines considered a bill to restrict export of lauan logs to Japan.

South Africa

There are five plywood plants in South Africa.

Plywoods, Ltd., Parow, Cape Province, producing plywood in thicknesses from 3 mm up to 1 inch; hardwood-faced plywood in thicknesses from 4 mm to ⅞-inch; blockboard and flush doors.

Veneered Plywoods, Ltd., Boksburg, Transvaal, a new operation.

Thomas Skinner, Ltd., Durban.

General Box Co., Ltd., Stellenbosch.

Raymond Plywood, Ltd., Johannesburg, which buys its veneer.

Most of the hardwoods used in plywood manufacture come from other countries. Tola and sapele (mahogany) are imported from Central Africa. Teak comes from Burma but in very small quantities. Imbuia veneer comes from Brazil, birch from Scandinavia and walnut veneers from the United States.

The furniture trade takes a large volume of the plywood production. The remainder goes into buildings.

There is a rapidly growing interest

(Continued on next page)

in waterproof plywood which is in great demand.

United Kingdom

Sensational progress has been made on the British market in 1959 with sales of Douglas fir plywood.

The basis for this success was laid in 1958, when some progress was made with business, but the Plywood Manufacturers' Association of British Columbia completed the groundwork for its promotional campaign through technical services, merchandizing aids, advertising and publicity. All these operations were directed from a London office set up by the association, headed by J. R. Wilson, R. J. Armstrong and C. D. McPhail—all from Canadian headquarters.

Most of the technical advisory work has been done with supplying contractors, architects, farmers, engineers and industrial users with full information on the industrial uses of this softwood plywood. Special emphasis was placed on shuttering and packaging, with amazing success.

This year started with a record shipment in January of 7,200,000 square feet from B. C. for British ports. Next month the record was broken with shipments of 8,200,000 square feet. But in March the shipment total reached 15,600,000 square feet. By August the imports from Canada of Douglas fir plywood had reached 52 million square feet, out of a total U. K. plywood import (mainly hardwood) of 293 million square feet, while at that stage there were unshipped balances of Douglas fir plywood amounting to 24 million square feet. To judge the growth in the trade in fir plywood it is necessary to glance at the position at the beginning of August a year earlier, when the imports were 22.2 million square feet and the unshipped balances 11 million square feet. Such is the measure of the growth in the trade being done in Douglas fir plywood in the U. K. Perhaps the picture becomes even more impressive when it is pointed out that imports of fir plywood were 52 million square feet in the first seven months of this year—they were 40 million square feet for the whole of 1958!

How has it been done? The key to the success has been the emphasis by the B. C. manufacturers that their product is a maid-of-all work, with nothing fancy, but able to do a good job out in the open and stand up to hard usage. Thicknesses available have been ideal for shuttering work, for example, and the cost has been low. There is a gigantic roadbuilding program under way in the U. K., with tremendous areas of concrete involved. The contractors ordered vast quantities of fir plywood for the shuttering, and were planning to reuse on a large scale, but the program was so stepped up that this was often impossible and more and more plywood was brought on to the job.

Another tremendous boost for fir plywood sales came when the Ford Motor Co. after extensive tests, decided to go over entirely to the use of this material for the export crating of completely-knocked-down cars. In the farm market there has been a growing use of fir plywood, as an exterior material, easily made into silos and other farm constructions. Although not yet involving large quantities, the use of B. C. fir plywood for plywood shell roof constructions has attracted a lot of attention among architects, the idea of using plywood as an engineering material being thoroughly proved. There may be slow acceptance of this idea in a conservative U. K. building trade, but the long-term prospects for greater consumption in this field are excellent.

Most of hardwood plywood trade was in Finnish birch. In 1958 the imports of Finnish birch were 141 million square feet out of a total import of 426 million square feet, the next largest plywood supplier being Russia, with 98 million square feet of birch. Japan supplied 43 million square feet of lauan plywood. These are the main sources, though now Canada has to be reckoned among the leaders. There are also substantial quantities received from West Africa and Israel.

Plywood business boomed in 1959. The lifting of all credit restrictions meant that the furniture trade shot out of the doldrums and went over to maximum production. As the largest single consumer, the furniture trade has ensured a bumper year for plywood sales. However, all the other main plywood markets taking hardwood plywood have also been enjoying boom conditions, such as the radio and television industries, the automobile industry, shopfitting, caravan builders, etc.

During the first seven months of this year the main contracts placed had been 71 million square feet with Finland, 54 million square feet with Russia, 41 million square feet with Japan, 11 million square feet with West Africa, 10 million square feet with Israel. Stocks of Japanese lauan plywood were difficult this year, both because the Japanese prices have been on the high side, and because they have been able to sell more profitably in the United States. As export quotas have been announced by Finland and Russia, they have been quickly taken up, and prices have also shown an upward trend since early summer. It is expected that prices for 1960 will be yet higher, and the few contracts so far closed for 1960 deliveries have all been at dearer rates.

The B. C. strike upset delivery plans for Douglas fir plywood, but fortunately the shipments were heavy in the earlier part of the year, so that few actual shortages occurred before it was possible to resume shipments in the fall after the end of the strike troubles. It is confidently predicted that the fir plywood market in Britain will go much higher.

Philippines

Early in 1959 the Business Writers Association of the Philippines officially designated the plywood and veneer industry as "Industry of the Year 1958."

The award recognized growth in the size of the industry and in its developments in standardization of its products to meet the requirements of the domestic and foreign markets. The latter developments were promoted by the Plywood Manufacturers' Association.

There are 22 plywood plants in the Philippines. Based on the composite industry report compiled by the plywood association, production in 1958 was 242.5 million square feet. Exports totaled 119.8 million square feet.

During the first quarter of 1959, production totaled 67 million square feet and exports 52 million square feet of which 41 million square feet went to the United States.

With $6.4 million aid extended by the U. S. and Philippine governments to 13 plants late in 1958, production was expected to be increased 50 million feet in 1959.

The industry faces problems.

Cost of production is increasing and is making more critical the problem of remaining competitive with Japan. Philippine production costs are 2½ times those in Japan.

Foreign exchange is causing difficulties, the association says, due to the lack of sufficient foreign exchange allocations. The industry must import raw materials and machinery to maintain the quality of its products and make it competitive in world markets. The government is not cognizant of this and has not undertaken positive measures to liberalize exchange allocations.

Tariffs and quota measures in the United States hurt. Japan is increasingly competitive in the important U. S. market with a product made from Philippine logs.

The industry is looking to the development of Canadian and European markets. ■■

ABRASIVES
The Norton Co., Worcester, Mass.; Los Angeles
Simonds Abrasive Co., Philadelphia, Pa.
ADHESIVES
American-Marietta Co., Seattle, Portland, New Westminster, B. C.
Borden Co., Chemical Division, New York City, Seattle
Chemical Process Company, Tacoma, Wash; Redwood City, Calif.
Monsanto Chemical Co., St. Louis, Mo.; Springfield, Mass.; Seattle, Wash.; Santa Clara, Cal.
Quaker Oats Co., Chemical Division, Chicago, Ill.
Reichhold Chemicals, Inc., White Plains, N. Y.; Seattle; San Francisco; Port Moody, B. C.
AIR COMPRESSORS—AIR TOOLS
Gardner-Denver Co., Quincy, Ill.; Seattle; Portland; San Francisco; Denver, Colo.; Dallas, Texas
Portland Machinery Co., Portland, Ore.
AIR CYLINDERS & VALVES
Bobbs Air-Draulics, Inc., Ray, Portland, Ore.
AIR MOTORS
Gardner-Denver Co., Quincy, Ill.; Seattle; Portland; San Francisco; Denver, Colo.; Dallas, Texas
Salem Equipment & Supply Co., Salem, Ore.
APPRAISALS
Caldwell Machinery Co., Portland, Ore.
General Appraisal Co., Seattle; Portland; San Francisco; Los Angeles; Spokane, Wash.; Vancouver, B. C.
AUTOMATIC SETWORKS
See "Setworks, Automatic"
AXLES
Axle Division, Eaton Mfg. Co., Cleveland, O.
Rockwell-Standard Corp., Transmission Axle Division, Detroit, Mich.
BALING PRESSES
Consolidated Baling Machine Co., Brooklyn 15, New York
BARKERS
Ederer Engineering Co., Seattle, Wash.
Filer & Stowell Co., Milwaukee; Portland
L-M Equipment Co., Portland, Oregon
Nicholson Mfg. Co., Auburn, Wash.
E. V. Prentice Co., Portland, Ore.
Sumner Iron Works, Everett, Wash.; Vancouver, B. C.
Soderhamn Machine Mfg. Co., Talledega, Ala.; Portland, Oregon
BEARINGS
Bearing Sales & Service, Inc., Portland, Ore., Seattle, Wash.
Dodge Manufacturing Corp., Mishawaka, Ind.
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
Schafer Bearing Div., Chain Belt Co., Downers Grove, Ill.
Timken Roller Bearing Co., Canton, Ohio
BELTING and PACKING, Belt Accessories
B. F. Goodrich Co., Akron, Ohio; Portland; Seattle
Goodyear Tire & Rubber Co., Akron, Ohio; Portland; Seattle
Manhattan Rubber Div., Raybestos-Manhattan, Passaic, N. J.
Scougal Rubber Mfg. Co., Seattle, Wash.
Mechanical Rubber Goods Div.—U. S. Rubber Co., New York City, N. Y.; Atlanta, Ga.; Portland; San Francisco
BITS and SHANKS
E. C. Atkins Div. of Borg-Warner, Indianapolis, Ind.
R. Hoe & Co., New York; Portland; Birmingham, Ala.
Pacific Saw & Knife Co., Portland
Simonds Saw & Steel Co., Fitchburg, Mass.; Portland
BLOWPIPE SYSTEMS
American Sheet Metal Works, Inc., Portland
Anderson Blowpipe & Mfg. Co., Seattle, Wash.
Archer Blower & Pipe Co., Portland, Ore., and Seattle, Wash.
California Blowpipe & Steel Co., Inc., Escalon, Calif.
Conveyair Company Ltd., Vancouver, B. C.
Medford Blowpipe Co., Medford, Ore.
Rader Pneumatics, Inc., Portland; Vancouver, B. C.
BOILERS
F. E. Balden, Portland
Seattle Boiler Works, Seattle, Wash.
BOOM and Tug BOATS
L. S Baier and Associates, Portland
Nichols Boat Works Co., Hood River, Ore.
BRAKE BLOCKS, LININGS, DRUMS
Champion Friction Co., Eugene, Ore.
Raybestos-Manhattan Corp., Grey-Rock Div., Manheim, Pa.
World Bestos Corp., New Castle, Ind.
BRIQUETTE MACHINERY
Sumner Iron Works, Everett, Wash.
BURNERS—REFUSE
California Blowpipe & Steel Co., Inc., Escalon, Calif.
Medford Blow Pipe Co., Inc., Medford, Ore.
CARRIAGES—Riderless—automatic
The Enterprise Co., Columbiana, Ohio
Mater Machine Works, Corvallis
Mill Equipment, Inc., Seattle
Sel-Set Machinery Corp., Salem, Ore.
CARRIAGES
Albany Machine and Supply Co., Albany, Ore.
Corley Mfg. Co., Chattanooga; Portland

YOUR SOURCES OF SUPPLY

BUYERS GUIDE SECTION

ADVERTISING RATES

(Commissionable)

1 to 44 inches per year-----$14.00 per column inch
45 to 89 inches per year----$12.75 per column inch
90 to 179 inches per year---$11.50 per column inch
180 to 359 inches per year--$10.50 per column inch
360 or more inches per year-$10.00 per column inch

PROFESSIONAL CARDS
(Not commissionable)
All cards set in uniform style—⅞" deep by 2¼" wide. $12.00 per column inch. Special rate: $125 for 13 one-inch card insertions if paid in advance, to run within 52-week period, without copy change.

CLASSIFIED — POSITIONS & HELP WANTED
(No agency discounts on classified space)
30c per word, $7.00 minimum; $2.00 additional for box number.
60c per word for Display (Boldface) Type.

Next issue: February, closing January 12th

731 S.W. OAK ST. • PORTLAND 5, OREGON • CApitol 2-1314

CARTHAGE MACHINE CO. – CHIPPERS – WOOD ROOM EQUIPT.
HEPPENSTALL CO. – ALLOY CHIPPER & HOG KNIVES
RICE BARTON CORP. – PULP & PAPER MACHINERY
RAY SMYTHE CO.
511 Park Bldg. • 729 S.W. Alder St. • Portland 5, Ore. • Phone: CApitol 3-0502-2238

ORIGINAL SCRAG MILL BUILDER
All Types of Sawmill Equipment
Scrag Mills, Edgers, Stud Stackers, Sprayers, Plywood Oilers
for Brochure write:
KEYSTONE MACHINE WORKS
Phone OR 3-6619
P.O. Box 269 Roseburg, Oregon

Bartlett Electric Co.
Lloyd Bartlett, registered engineer
INDUSTRIAL—POWER—COMMERCIAL WIRING
EM 4-2244 Emergency Service
430 S. Church St., Salem, Ore.

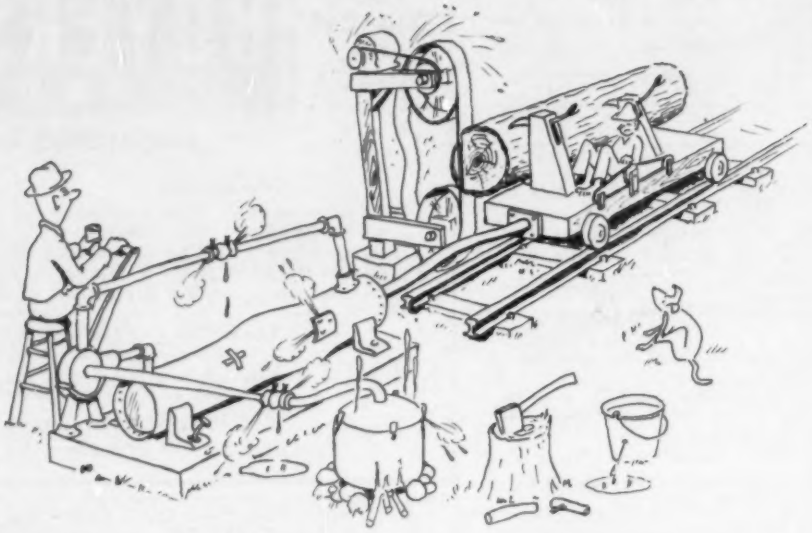
Columbia Rubber Mills
Molded Rubber Products
Washers • Bushings • Gaskets • Rolls
12022 S.E. Powell Blvd.
Phone PR 4-4824
Portland 66, Ore.

Skrag Mills, Resaws, Planers, Edgers
Feed Tables Line Bars
Breakdown Hoists
LUSTER ENGINEERING & MACHINE WORKS
3707 University Way
P. O. Box 67 Seattle 5, Wash.
Phone ME 2-1224.

ANDERSON BLOWPIPE & MFG. CO.
BLOWER SYSTEMS FANS DUST CONTROL
INCINERATORS SPECIALTY ITEMS
5960 4th Ave. S.
Seattle 8, Wash.
PArkway 2-4844
1213 Mitchell Rd.
Vancouver, B. C.
ELliot 4422

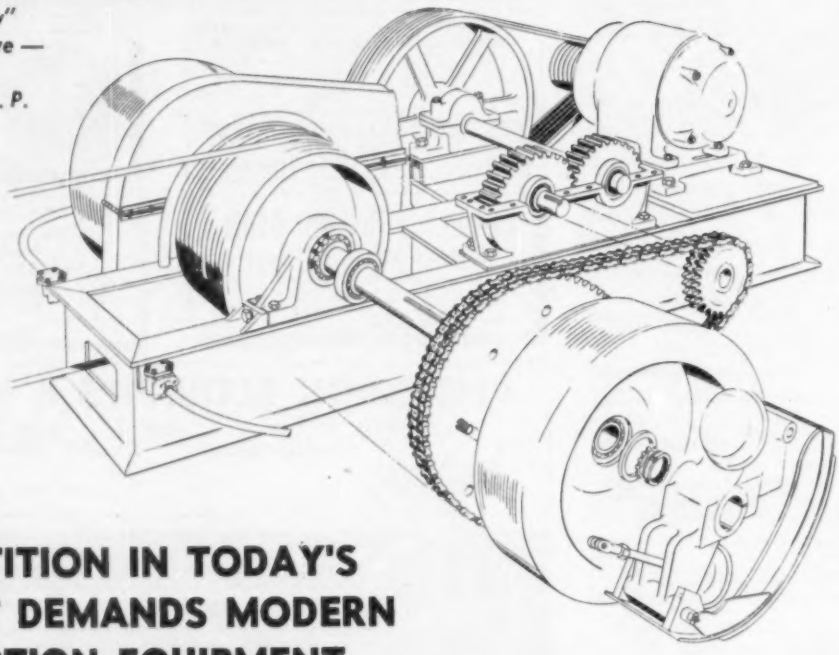
"The Right Key" to Stop Tramp Metal Damage in Chippers and Hogs
RENS electronic metal detector
Rens Manufacturing Company
Eugene, Oregon

PHELPS BROS.
Refuse Burners
Blow Pipe Systems
1885 Highway 99 North
Eugene, Oregon
DI 4-5821
Phelps Burners, Ltd.
P O. Box 188 Williams Lake, B.C.



THE AGE of STEAM....IS PRETTY WELL SHOT

The "Prow" Carriage Drive — from 50 to 300 H. P.

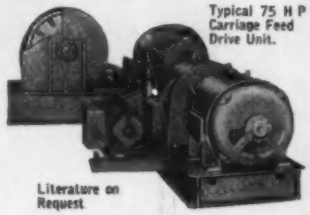


COMPETITION IN TODAY'S MARKET DEMANDS MODERN PRODUCTION EQUIPMENT

Let us tell you how your mill can increase output with a Prow Drive.

Phones GReenwood 6-6806
GReenwood 6-6807

The PROJO
INDUSTRIAL CORP.
P.O. BOX 477
GRANTS PASS
OREGON



Typical 75 H P Carriage Feed Drive Unit.

Literature on Request

ZIDELL ELECTRIC DRIVES

Provide rugged D.C. variable speed performance for . . .

Carriages, Feed Roll Systems, Veneer Lathes, Tray Systems, Conveyors, Machine Tools, Etc.

ZIDELL MACHINERY & SUPPLY CO.

3121 S.W. MOODY STREET, Portland 1, Ore.

Distributors for: Delco & Brook Electric Motors Cutler-Hammer Controls

SEATTLE
3628 East Marginal Way
MAin 8629

NORTHWEST CHAINS & SPROCKETS INC.

PORTLAND
31 N. W. 1st Avenue
CA 8-3367

JEFFREY MFG. CO. • WHITNEY CHAIN CO.
FABCO FLEXIBLE COUPLINGS • AMERICAN PULLEY CO.
EBERHARDT-DENVER Speed Reducers

SEATTLE REFUSE BURNERS

Prefabricated For Easy Erection

Send for Catalog No. 11

- BOILERS—NEW & USED
- TANKS, STACKS, CONVEYORS
- CUSTOM FABRICATION WORK

SEATTLE BOILER WORKS, INC.

Since 1889

5237 East Marginal Way • Seattle, Wash.
Phone: Day—PArkway 2-0737
Night—GLencourt 4-5338

The Enterprise Co., Columbiana, Ohio
Filer & Stowell Mfg. Co., Milwaukee, Wis.
Klamath Iron Works, Klamath Falls, Ore.
Klamath Machine & Locomotive Works, Klamath Falls, Ore.
Klamath Machinery Co., Klamath Falls, Ore.
Mater Machine Works, Corvallis, Ore.
Mill Equipment, Inc., Seattle
Prineville Machinery and Supply Co., Prineville, Ore.
Sel-Set Machinery Corp., Salem, Ore.

CARRIERS (also see Lift Trucks)
Gerlinger Carrier Company, Dallas, Ore.
Hyster Company, Portland; Seattle
Towmotor Corporation, Cleveland, Ohio

CASTINGS, Iron, Steel, Brass
Electric Steel Foundry Co., Portland; Seattle; San Francisco; Houston, Texas; Spokane, Wash.; Eugene, Ore.
Filer & Stowell Mfg. Co., Milwaukee, Wis.
Klamath Iron Works, Klamath Falls, Ore.
Klamath Machinery & Locomotive Works, Klamath Falls, Ore.
Link-Belt Co., Seattle; Portland; San Francisco
Western Steel Foundry Co., Seattle; Portland

CHAIN, Log Haul
Portland Chain Mfg. Co., Portland

CHAIN, Steel Roller and Malleable
Chain Belt Co., Milwaukee, Wis.; Seattle; Portland; San Francisco; Vancouver, B. C.
Jeffrey Mfg. Co., Columbus, Ohio; Seattle; Portland
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
Moline Malleable Iron Co., St. Charles, Ill.; Portland; Tacoma
Portland Chain Mfg. Co., Portland; Seattle; Bellingham

CHIP HANDLING Equipment
American Sheet Metal Works, Portland, Ore.
Archer Blower & Pipe Co., Seattle and Portland
Conveyair Co., Ltd., Vancouver, B. C.
Medford Blowpipe Co., Medford, Ore.
Rader Pneumatics, Inc., Portland; Vanc., B.C.

CHIPPERS
Carthage Machine Co., Carthage, N. Y.
Filer & Stowell Co., Milwaukee; Portland
Goodman Mfg. Co., Chicago; Portland.
D. J. Murray Co., Wausau, Wis.
Soderhamn Machine Mfg. Co., Portland, Ore.; Talladega, Ala.
Sumner Iron Works, Everett, Wash.

CHIP SCREENS
Carthage Machine Company, Carthage, N. Y.
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
Orville Simpson Co., Cincinnati, Ohio.
Soderhamn Machine Mfg. Co., Portland, Ore.

CHROME PLATING—HARD
United Saw Service, Corvallis, Ore.

CLUTCHES
Dodge Manufacturing Corp., Mishawaka, Ind.

ATTENTION TIMBER-LAND OWNERS

LONG TERM MORTGAGE LOANS AVAILABLE

One of the largest Life Insurance Companies has now made available unlimited funds for long term mortgage farm loans at low interest rates to TIMBER-LAND OWNERS and RANCHERS all over the U.S.A.

This offer also applies on plant facilities owned and used in lumbering or pulp wood operation. It may also include real estate held in connection with farming, ranching, or other business activities of a TIMBER-LAND OWNER.

To expedite loans, the following information is necessary:

1. **The amount of acreage upon which loan is desired and the purpose of the loan.**
2. **Survey of the land and location.**
3. **Balance sheet and statement showing earnings for the last five years or so of operation.**

Prompt attention will be given to all inquiries and all information received will be kept in strict confidence.

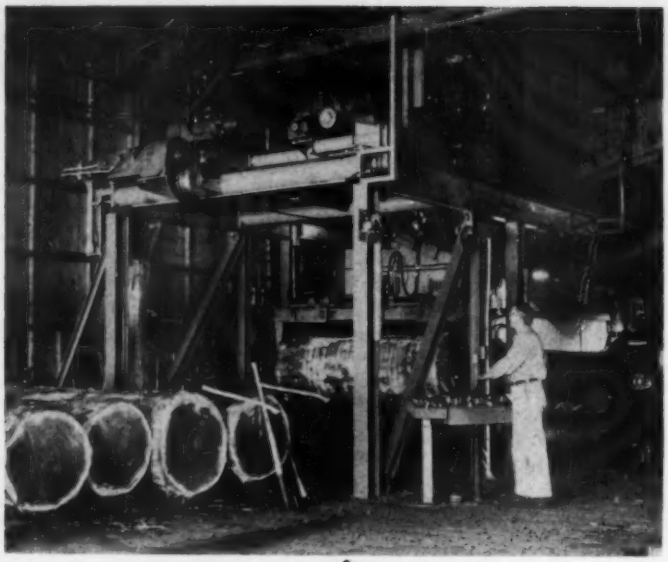
IRVING SPITZER

Financing - Mortgage Loans

EXECUTIVE OFFICES | 401 - 93RD STREET | SURFSIDE, FLORIDA | PHONE UN 6-7193

KIMWOOD

the Pacesetter in PLYWOOD MACHINERY

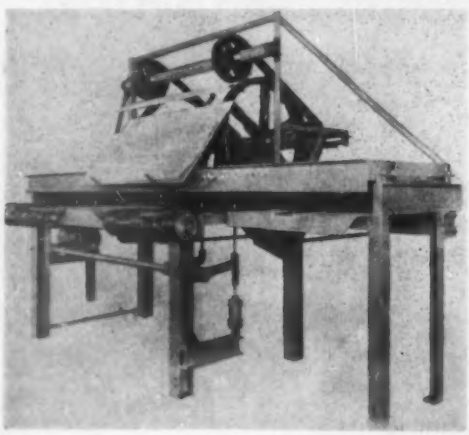


KIMWOOD All-Electric Floor Mounted LATHE CHARGER

- **Compact All-steel design.**
- **All moving parts overhead and out of the way of trash & slivers.**
- **Simple to install.**
- **A proven fast performer for accurate block handling.**

KIMWOOD Swede System

There is no substitute for the right equipment for the right job . . . that's the Kimwood system for pulling and sorting green veneer. It will be a money-maker and time-saver for your plant. Kimwood system reduces damage to veneer, builds uniform loads that handle nicely at dryer-feeder. Patented features make it possible for fork truck operator to unload and be on his way in seconds.



KIMWOOD Fishtail Saw

Available in two styles. The two-man saw passes the veneer straight through where it is stacked by an off-bearer. One-man saw has a return system that deposits veneer in a sheet catcher, convenient to operator, permitting him to both feed and stack.

KIMWOOD Floor Cart

Rugged, all-steel for transporting veneer and finished plywood. Used by most plywood producers in the Northwest. Made in all sizes and combinations.

KIMWOOD Machine Co.

P.O. Box 627, Cottage Grove, Oregon.

CONTROLS (air, hydraulic, electric)
Industrial Components, Inc., Portland, Oregon
Republic Electric & Development Co., Seattle
Valvair Corp., Akron, Ohio; Birmingham, Ala.; Seattle; Portland; San Francisco; Denver; Vancouver, B. C.

CONVEYORS
American Sheet Metal Works, Inc., Portland
Chain Belt Co., Milwaukee, Wis.; Seattle; Portland; San Francisco; Vancouver, B. C.
Electric Steel Foundry Co., Portland; Seattle, Spokane
The Enterprise Co., Columbiana, Ohio
Jeffery Mfg. Co., Columbus, Ohio
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
Manhattan Rubber Div., Raybestos-Manhattan, Inc., Passaic, N. J.

CORROSION RESISTANCE
California Plating Works, Inc., Portland, Ore.

COUPLINGS (also see hose and couplings)
Falk Corp., Milwaukee, Wis.

CRANES, Overhead
Ederer Engineering Co., Seattle
Harnischfeger Corp., Milwaukee, Wis.

CRANES, Truck, Wagon
American Hoist & Derrick Co., St. Paul, Minn.
Baldwin-Lima-Hamilton Corp., Lima, Ohio
Bucyrus-Erie Co., South Milwaukee, Wis.
Harnischfeger Corp, Milwaukee, Wis.
Insley Manufacturing Co., Indianapolis, Ind.
Koehring Co., Milwaukee, Wis.
R. G. LeTourneau, Lonview, Tex.
Link-Belt Speeder Corp., Chicago, Ill.
Marion Power Shovel Co., Marion, Ohio
Northwest Engineering Co., Chicago, Ill.
Skagit Steel & Iron Works, Sedro-Woolley, Wash.
Thew Shovel Co., Lorain, Ohio
Washington Iron Works, Seattle, Wash.

CUTTERHEADS
Disston Div., H. K. Porter Co., Inc., Seattle, Wash.; Philadelphia, Pa.
Jones & Orth Cutterhead Co., Seattle; Memphis, Tenn.

CYLINDERS, Air and Hydraulic
Salem Equipment & Supply Co., Salem, Ore.

DECK and POND SAWS
Disston Div., H. K. Porter Co., Inc., Seattle, Wash.; Philadelphia, Pa.
L-M Equipment Co., Portland, Ore.
Schurman Machine Works, Woodland, Wash.

DECK MACHINERY
Klamath Machinery Co., Klamath Falls, Ore.

DRIVES
Dodge Manufacturing Corp., Mishawaka, Ind.
Republic Electric & Development Co., Seattle
Western Gear Corp., Lynwood, Calif.; San Francisco; Seattle; Portland; Spokane; Denver; Houston; Dallas, Texas

DRY KILNS and DRIERS
Bio-R-Dry, Inc., Portland, Ore.
Heat & Control, Inc., San Francisco (Conversion System)
C. M. Lovsted & Co., Inc., Seattle, Wash.
Medford Blowpipe Co., Medford, Ore.
Medford Machinery Co., Medford, Ore.
Moore Dry Kiln Co., North Portland, Ore.; Jacksonville, Fla.
Oregon Dryer Co., Portland, Ore.
Standard Dry Kiln Co., Indianapolis, Indiana & Portland, Ore.
Vollmer-Werke Maschinenfabrik, GmbH, Dusseldorf, Germany; Portland, Ore.; Hawthorne, Calif.; Hamilton, Ontario.

EDGE GLUING
Design Mfg. Co., Portland, Ore.
Ederer Engineering Co., Seattle, Wash.
Elliott Bay Plywood Machines, Seattle, Wash.
Mann-Russell, Inc., Tacoma, Wash.
E. V. Prentice Machinery Co., Portland, Oregon
Stetson-Ross Machine Co., Seattle, Wash.

ELECTRICAL EQUIPMENT, Motors, etc.
Brook Motor Corp., Chicago, Ill.; Portland, Oregon
Northwest Syndicate (Mann-Russell), Tacoma, Wash.
Portland Machinery Co., Portland, Ore.
Republic Electric & Development Co., Seattle
Square D Company, Los Angeles, Calif.
Weaver Co., Charles, Detroit
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

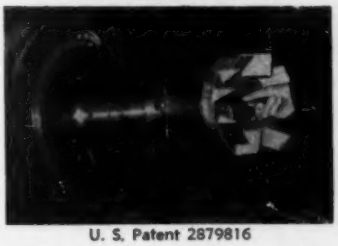
ELECTRIC DC DRIVES
Republic Electric & Development Co., Seattle, Wash.; Peoria, Ill.; Vancouver, B. C.
Zidell Machinery & Supply Co., Portland, Ore.

END PRINTERS
Irvington Machine Works, Portland
Stetson-Ross Machine Co., Seattle

ENGINES, Gas and Diesel
Allis-Chalmers Mfg. Co., Buda Division, Chicago; Dallas, Tex.; San Francisco; Houston, Tex.
Caterpillar Tractor Co., Portland; Seattle; San Francisco, Peoria, Ill.
Cummins Engine Co., Columbus, Ind.; Seattle; Portland
Detroit Diesel Engine Div., General Motors Corp., Detroit, Mich.
Ford Motor Co., Dearborn, Mich.
Harnischfeger Corp., Crystal Lake, Ill.
Industrial Div., Chrysler Corp., Trenton, Mich.
International Harvester Co., Chicago; Portland; Seattle, San Francisco
Murphy-Diesel Co., Milwaukee, Wis.
Waukesha Motor Co., Waukesha, Wis.; Los Angeles; Tulsa, Okla.
White Motor Co., Cleveland, Ohio

ENGINEERS, Forestry-Mill-Industrial
Industrial Development Co., Tacoma, Wash.
W. H. Rambo, Portland, Ore.
William K. Stametz, Jr., Engineering, Columbiana, Ohio
Timberman's Engineering Co., Portland, Ore.
Tracey, Cook, Brunstrom & Dudley, Seattle, Wash.

QUICK CHANGE CHUCK
For Veneer Lathes



U. S. Patent 2879816

Adapter hub stays on the spindle. Lightweight plates are easy to change. Installed on your lathe on free trial basis.

See for yourself why major plywood plants use Humboldt Quick Change Chucks.

Call Collect for free 30 day trial installation.

HUMBOLDT
Machine Works

937 - 10th st. Arcata, Calif.
Phone: VAndyke 2-2928

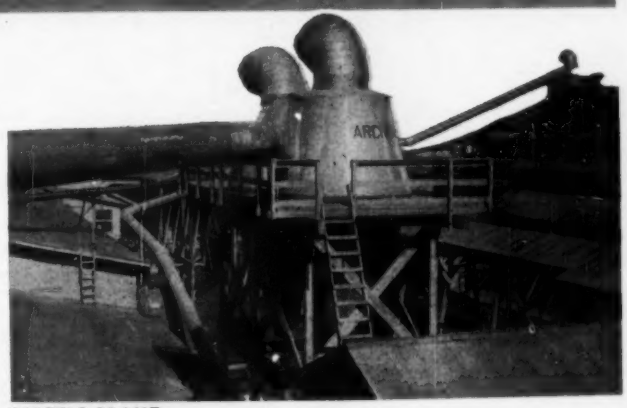
ARCHER BLOWER SYSTEMS
DUST COLLECTING — PNEUMATIC CHIP CONVEYING
. . . for PLYWOOD • VENEER • BOARD PLANTS and PLANING MILLS

Latest Improved Designs • Fast Service

Archer Blower Quality, Efficiency and Service is backed by 59 years of experience in design, manufacture, installation and repair of Blower Systems, Pneumatic Chip Conveying Systems, and Dust Collecting Systems for industry.

All Archer Blower Systems are custom engineered for your specific job requirements.

For complete Blower Systems of all types—Pulp Chip Conveying by Air—Dust Collecting and Exhaust Systems . . .



Call **ARCHER BLOWER**

PORTLAND PLANT...
CHerry 6-3308
6141 S. W. MACADAM

•

SEATTLE PLANT...
PArkway 5-4003
9500 E. MARGINAL

SINCE 1900
Archer Blower & Pipe Co., Inc.

Shown above are Archer Blower systems of several types—low pressure, high pressure, short blow and long blow.

Call ARCHER BLOWER *for Custom Steel & Stainless Fabrication to our Exact Specifications.*

W. H. RAMBO
Industrial Plant Engineer

Layout Estimates, Design, Reports, Construction Supervision

SPECIALIZING IN: Sawmills, Barking and Chipping Installations, Plywood Plants, Hardboard Plants, Woodworking Plants, Planing Mills, Power Plants and Dry Kiln Installations.

Loyalty Bldg. Portland 4, Oregon
CApitol 3-5101

OVER 46 YEARS

Design & Manufacturing Experience . . .

PLYWOOD PATCH LINES
•
VACUUM PANEL FEEDERS
•
PLYWOOD TRAY SYSTEMS
•
PLYWOOD TRAY CLUTCHES & BRAKES
•
CORE RIP SAWS
•
PANEL TURNOVERS
•
PANEL STACKERS
•
CHIP CAR PULLERS
•
EQUALIZER SAWS
•
PANEL GROOVERS TEXT. 1-11, VEE, ETC.
•
PANEL ACCUMULATORS
• • •

Your inquiries for specially designed equipment invited

Western Machinery Corporation

1035 S.E. 9th Ave. Portland 14, Ore.
BE 6-4117

WHEN IN NEED OF
NEW GLUE SPREADER ROLLS
RE-GROOVING or RECOVERING
contact
Kenton Machine Works
8411 N. Denver Ave. Portland 17, Ore.
Phone BUtler 5-6663

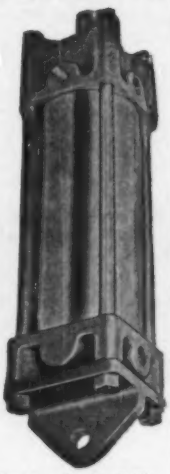
FOR SALE

Yates-Am A-62 15" P & M B D 8 K Prof
Yates-Am A-66 15" P & M Dir Elec 8 K
Yates-Am A-20 15" P & M B D 6 K Prof
Yates-Am A-20 20" P & M Dir Elec 6 K
Woods #412 15" P & M B D 8 K Prof
Woods 412 M 15" P & M Dir Elec 6 K

R. K. HASKEW & CO., INC.
Phone Amherst 6-6214 Box 4065
Chattanooga 5, Tennessee

ATLAS HEAVY-DUTY CYLINDERS for

HEAVY DUTY SERVICE
•
Hydraulic and Air
•
24 HOUR SHIPMENT
•
ANY TYPE MOUNTING
•



John O'Brien Co., Portland, Ore.
W. G. Rovang & Assoc., Portland, Ore.
Fred E. Barnett Co., Sacramento, Calif.
Bearings & Transmission Products, Eureka, Calif.
Cascade Industrial Supply Co., Redding, Calif.
Hydraulic Equipment Co., Montebello, Calif.
Mill Equipment Co., Seattle, Wash.

mfd by SAWYER MACHINE WORKS
630 Garfield-DI 4-3255 - Eugene, Ore.

FANS & BLOWER SYSTEMS
Archer Blower & Pipe Co., Portland, Ore. and Seattle, Wash.

FILES
E. C. Atkins Div., Borg Warner, Indianapolis; Portland
Disston Div., H. K. Porter Co., Inc., Seattle, Wash.; Philadelphia, Pa.
Nicholson File Co., Providence, R. I.
Simonds Saw & Steel Co., Fitchburg, Mass.; Portland
Spear & Jackson Ltd., Vancouver, B. C.; Eugene, Ore.

FILING ROOM MACHINERY and SUPPLIES
Armstrong Mfg. Co., Portland, Ore.
Hanchett Mfg. Co., Big Rapids, Mich.; Portland
Newman Machine Co., Inc., Greensboro, N. C.
Nielsen's Saw & Mfg. Co., Roseburg, Ore.
Samuel C. Rogers & Co., Buffalo, N. Y.
Vollmer-Werke Maschinenfabrik, GmbH, Dusseldorf, Germany; Portland, Ore.; Hawthorne, Calif.; Hamilton, Ontario.
S. A. Woods Machine Co., Boston; Portland; Memphis, Tenn.; San Mateo, Calif.

FLOOR PLATE
Alan Wood Steel Co., Conshohocken, Pa.; Seattle; Los Angeles; San Francisco; Vanc., B.C.

FORESTRY INSTRUMENTS
Design Mfg. Co., Portland, Ore.

FRICTION BLOCKS
Champion Friction Co., Eugene, Ore

GANG SAWMILLS
Corley Mfg. Co., Chattanooga; Portland
Dominion Bridge Co., Vancouver, B. C.
Gang Saw Sales, Spokane, Wash.
Jeddeloh Bros., Inc., Gold Hill, Ore
Mill Engineering & Supply Co., Seattle, Wash.
Monarch Forge & Machine Co., Portland, Ore.
Portland Machinery Co., Portland
Soderhamn Machine Mfg. Co., Portland, Ore
Sumner Iron Wks., Everett, Wash.
Western Steel & Supply Co., Dallas, Ore.

GEARS
Sheridan Gear & Mfg. Co., Portland, Ore.

GEARS and GEAR MOTORS and SPROCKETS
Falk Corp. Milwaukee, Wis.
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
J. W. Minder Chain & Gear Co., Portland; Los Angeles
Sheridan Gear & Mfg. Co., Portland, Ore.
Western Gear Corp., Lynwood, Calif.; San Francisco; Portland; Seattle; Spokane; Denver; Dallas and Houston, Texas
Western Machinery Corp., Portland

GRADE MARKING EQUIPMENT
Irvington Machine Works, Portland
Stetson-Ross Machine Co., Inc., Seattle

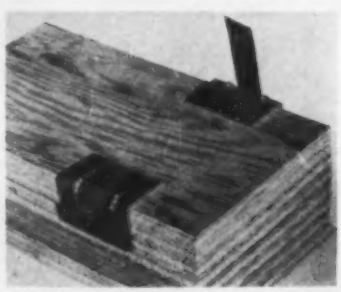
GRINDING WHEELS
Norton Co., Worcester, Mass.

GUIDE SETWORKS
M. A. Ward Construction Co., Inc., Eugene, Ore.

HARDBOARD plant equipment
American Mfg. Co., Tacoma; Vancouver B. C.
Greenlee Bros. & Co., Rockford, Ill., Seattle; San Francisco; High Point, N. C.
Grenco, Inc., Seattle, Wash.; Portland
Washington Iron Works, Seattle, Wash
California Plating Works, Inc., Portland, Ore.

HOG, CRUSHERS, PULVERIZERS
Diamond Iron Works, Chicago, Ill.
D. J. Murray Mfg. Co., Wausau, Wis
Portland Machinery Co., Portland
E. V. Prentice Co., Portland, Ore.
Sumner Iron Wks., Everett, Wash

HOSE and HOSE COUPLINGS
Aeroquip Corp., Jackson, Mich.; Greensboro, N. C.; Portland; Burbank and Los Angeles; Dallas, Texas
Goodyear Rubber & Asbestos Co., Portland
B. F. Goodrich Co., Akron, Ohio
Goodyear Tire & Rubber Co., Akron, Ohio.
Pacific Marine Supply Co., Seattle
Manhattan Rubber Div., Raybestos-Manhattan, Inc., Passaic, N. J.
Mechanical Rubber Goods Division, U. S. Rubber Co., New York City; Atlanta, Ga.; Portland; San Francisco



PLASTIC STRAPPING CORNER PROTECTORS

Made of
TOUGH & LIGHT PLASTIC
LESS TENDENCY TO CUT YOUR MERCHANDISE
LIGHTWEIGHT & EASY TO HANDLE
WON'T RUST & STAIN

phone or write for details . .

OREGON INDUSTRIAL FACTORS
6840 S. W. Macadam Ave. Portland 19, Ore.
Phone CH 4-4040

HYDRAULIC & AIR EQUIP.
Bobbs Air-Draulics, Inc., Ray, Portland, Ore.

INSTRUMENTS
Moore Dry Kiln Co., No. Portland, Ore.; Jacksonville, Fla.; Vancouver, B. C.

KILNS and DRIERS (See Dry Kilns & Driers)

KNIFE GRINDING MACHINERY
Hanchett Manufacturing Co., Big Rapids, Mich.; Portland

KNIVES, planer, hog, veneer, chipper
E. C. Atkins Division, Borg Warner Co., Indianapolis
Cascade Saw & Tool Co., Chehalis, Wash.
Disston Div., H. K. Porter Co., Inc., Seattle, Wash.; Philadelphia, Pa.
Jones & Orth Co., Seattle
Ohio Knife Co., Cincinnati, Ohio; Portland
Pacific Saw & Knife Co., Portland
Simonds Saw & Steel Co., Fitchburg, Mass.; Portland
Ray Smythe, Portland
Spear & Jackson Ltd., Vancouver, B. C.; Eugene, Ore.
Wapakoneta Machine Co., Wapakoneta, Ohio

KNOT SEALERS
Western Machinery Corp., Portland, Ore.

LIFT TRUCKS
Buda Div., Allis-Chalmers Mfg. Co., Milwaukee
Clark Equipment Co., Ind. Truck Div., Battle Creek, Mich.; Seattle; Portland; San Francisco
Gerlinger Carrier Co., Dallas, Ore.
Hyster Company, Portland; Seattle
Hyster Sales Co., Portland, Oregon
Towmotor Corporation, Cleveland, Ohio
Yale & Towne Mfg. Co., Philadelphia, San Francisco

LOG HAULS
Klamath Machinery Co., Klamath Falls, Ore.

LOG STACKERS
R. G. LeTourneau, Inc., Longview, Texas
Caterpillar Tractor Co., Portland; San Francisco; Seattle; Peoria, Ill.
International Harvester Co., Chicago; Portland

LUMBER CARRIERS AND LIFT TRUCKS (See "Lift Trucks" & "Carriers")

LUMBER CONVEYORS
Lawson Stacker Co., Memphis, Tenn.

LUMBER FINANCING
Douglas, Guardian Warehouse Corp., New Orleans; Portland; Los Angeles; San Francisco

LUMBER STACKERS, UNSTACKERS, LOADERS AND HOISTS
Lawson Stacker Co., Memphis, Tenn.
Lovsted & Co., Inc., C. M., Seattle, Wash.
Moore Dry Kiln Co., Vancouver, B. C.; Brampton, Ont.; Jacksonville, Fla.; North Portland
Stetson-Ross Machine Co., Seattle

MACHINERY APPRAISALS
Caldwell Machinery Co., Portland, Ore.

MACHINERY LIQUIDATORS
Clyde Carroll Machinery Co., Portland, Ore.

MOISTURE METERS & CONTROL EQUIPMENT
Laucks Sentry Products, Seattle, Wash.

MOTORS — AC
Bartlett Electric Co., Salem, Ore.
Zidell Machinery & Supply Co., Portland, Ore.

MOTORS—DC VARIABLE SPEED
General Industrial Electric Co., Portland, Ore

OILS and LUBRICANTS and FUELS
Calor Gas Co., San Francisco
General Petroleum Corporation, Los Angeles; San Francisco; Seattle
Lubriplate Division, Fiske Bros. Refining Co., New York City
Richfield Oil Corp., Los Angeles
Shell Oil Co., Portland; Seattle; Tacoma; Spokane; San Francisco; Vancouver, B. C.
Standard Oil Co. of California, San Francisco
Suburban Gas Service — Propane — Seattle, Wash., Portland, Ore.; Redi-Gas—Propane—Tacoma, Wash.
The Texas Corporation, New York City
Tidewater Associated Oil Co., San Francisco
Union Oil Company, Los Angeles

OUTBOARD MOTORS
Evinrude Motors, Milwaukee, Wis.
Johnson Motors, Chicago, Ill.

PAPER PRODUCTS
Crown-Zellerbach Corp., Portland; San Francisco; Seattle

PETROLEUM—LIQUID
Suburban Gas Service — Propane — Seattle, Wash., Portland, Ore.; Redi-Gas—Propane—Tacoma, Wash.

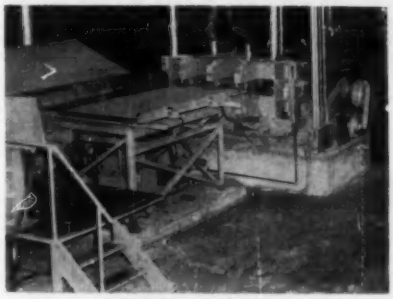
PIKE POLES—ALUMINUM
Alloy Welding & Fabricating Co., Portland

PIPE, corrugated, culvert, welded
Armco Drainage & Metal Products, Inc., Middletown, Ohio; Berkeley, Calif.; Seattle; Spokane; Atlanta; Denver; Houston, Texas; Guelph, Ontario, Canada
Beall Pipe & Tank Corp., Portland

UNITED PLANT EQUIPMENT CO. *Hal M. Staples*
PLYWOOD PLANT MODERNIZATION — STUD MILL INSTALLATION
USED PLYWOOD PLANT MACHINERY
BARKER CONVERSION TO A MODERN PASS THROUGH MACHINE
AC.-DC. DRIVES FOR LATHE AND BARKER
7306 North Philadelphia Ave. — AV 6-0604 or AV 6-0605 — Portland 3, Oregon

Ask for the *Original*
STEPHENS
ALUMINUM PIKE POLES
Manufactured by ALLOY WELDING & FABRICATING CO., Portland, Oregon
409 S. E. Clay Street • Phone BEImont 2-4771 • Portland 14, Oregon

***ARDIES* MACHINERY & SALES**
WE SPECIALIZE in ENGINEERING & BUILDING EQUIPMENT



Automatic Skinner Saw
Feed Elevators
Hydraulic Lift Tables
Plywood Tray Systems
Chip Car Winches
Plywood Block Handling Equipment

Patch Line Equipment
Plywood Trucks
Call us for details

425 S. E. 9th • Portland 14, Oregon
Phone BE 4-2784

Do your pond work
50% FASTER WITH THE LOG BRONC

The Nelson Log Bronc is the fastest, most versatile pond boat available today. In fact, there never has been anything like it on the market before. One operator (name on request) reports he gets his log sorting done 50% faster with the Log Bronc.

All steel welded construction for the toughest jobs. High powered outboard motor mounted for full 360 degree turns without reversing enables boat to push from all sides. Works in rivers, lakes, tidewater or ponds. Will save its cost in 90 days report many owners.
U. S. Patent No. 2844120 — Canadian Patent No. 583126

NELSON LOG BRONC CO. *WRITE FOR ACTION MOVIE*
P. O. BOX 692 — COOS BAY, OREGON — COngress 7-2928
Shop Telephone: Call COngress 7-9262, Coos Bay, Oregon

Mr. Mill Superintendent, may we interview you?

I DON'T KNOW WHO YOU ARE.
L. S. Baier & Associates are recognized designers and builders in the marine field.

I DON'T KNOW YOUR COMPANY.
Our company has been operating continuously since 1946 in Portland, Ore.

I DON'T KNOW YOUR COMPANY'S PRODUCT.
We build the finest, most efficient, and least expensive steel boats.

I DON'T KNOW YOUR COMPANY'S CUSTOMERS.
We are sure you do. They are the leading mills on the Pacific Coast.*

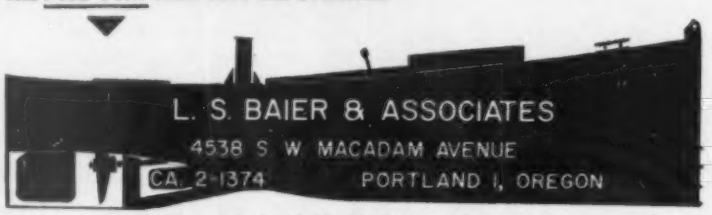
I DON'T KNOW YOUR COMPANY'S RECORD.
We have established a reputation for delivering on time to specifications. Result—repeat orders.

I DON'T KNOW YOUR COMPANY'S REPUTATION.
We are pleased to refer you to the First National Bank of Oregon, Dun & Bradstreet, and by all means our customers.

NOW—WHAT WAS IT YOU WANTED TO SELL ME?

We hope you have guessed by now. We would like to have you join our list of satisfied customers. Give us a call or drop us a line and we will be happy to discuss your requirements for an efficient, labor saving, profit making boat.

THE POND BOAT THAT SETS THE STANDARD



**A note on your letterhead will bring a list of our customers.*

PLANING MILL MACHINERY & EQUIPMENT
The G. M. Diehl Machine Co., Inc., Wabash, Ind.
Greenlee Bros. & Co., Rockford, Ill.; Seattle; San Francisco; High Point, N. C.
Irvington Machine Works, Portland
Max Mfg. Co., San Jose, Calif.
Mereen-Johnson Machine Co., Minneapolis, Minn.
Newman Machine Co., Inc., Greensboro, N. C.
Portland Machinery Co., Portland, Ore.
Stetson-Ross Machine Co., Inc., Seattle
S. A. Woods Machine Co., Boston; Portland; Little Rock, Ark.; Memphis, Tenn.; San Mateo, Calif.
Yates-American Machine Co., Beloit, Wis.; High Point, N. C.; Memphis, Tenn.; Portland

PLYWOOD and VENEER MACHINERY and SUPPLIES
American Mfg. Co., Tacoma, Wash.; Vancouver, B. C.
Ardies Machy. & Sales Co., Portland, Ore.
Chas. F. Bamford, Portland, Ore.
Clyde P. Carroll Machy Co., Portland, Ore.
Cascade Saw & Machine Co., Chehalis, Wash.
Coe Mfg. Co., Painesville, Ohio; Portland
Columbia Press Div., Lodge & Shipley, Hamilton, Ohio
Conway & Fields Sales Co., Portland
Durand Machine Works, New Westminster, B. C.
Elliott Bay Plywood Machines Co., Seattle
Elford & Early, Inc., Portland, Ore.
Ederer Engineering Company, Seattle
Globe Manufacturing Co., Tacoma, Wash.
Greenlee Bros. & Co., Rockford, Ill.; Seattle; San Francisco; High Point, N. C.
Heat & Control, Inc., San Francisco (Conversion System)
Jackson Industries, Birmingham, Ala.; Portland
Kenton Machine Works, Portland, Oregon
Kimwood Machine Co., Cottage Grove, Ore.
Kohler-Joa Corporation, Sheboygan Falls, Wisc.; Chehalis, Wash.
L-M Equipment Co., Portland
Lamb-Grays Harbor Co., Hoquiam, Wash.
Lawrence Machine & Mfg. Co., Seattle
Mattison Machine Works, Rockford, Ill.
Merritt Salem Corp., Lockport, N. Y.
Moore Dry Kiln Co., Portland
Mereen-Johnson Co., Minneapolis
Northwest Syndicate (Mann-Russell), Tacoma, Wash.
Peninsula Iron Works, Portland
Portland Iron Works, Portland
E. V. Prentice Company, Portland

The WHEELER Core Veneer Band Saw Meets a LONG FELT NEED in the PLYWOOD INDUSTRY

Cuts Core Stock in Bundles, Clean and Square, No Chips or Slivers in the Glue

Wheeler core veneer bandsaw (Patent Pending)

Unit Mounted, No Elaborate Floor Layout Required

Push Button Operation. Can Be Arranged for Fully Automatic Cycling

Cuts Core Stock and Costs at the Same Time

ARE IN USE BY A NUMBER OF LARGE MANUFACTURERS
ask us where these may be seen in operation

Write for a completely illustrated brochure with specifications

SALEM IRON WORKS
manufacturers
p/o box 407, SALEM, OREGON

GLOBE MACHINE MFG. CO.
sales representative
p/o box 907, 701 East "D" street
TACOMA, WASHINGTON

Reichhold Chemicals, Inc., New York City
Republic Electric & Development Co., Seattle
Siempelkamp Co., Krefeld (Germany)
Skoog Engineering Co., Olympia, Wash.
Solem Machine Co., Rockport, Ill.
Star Machinery Co., Seattle, Wash.
Veneer Machines Div., Jackson Industries, Birmingham, Ala.
Washington Iron Works, Seattle, Wash.
Wapakoneta Machine Co., Wapakoneta, Ohio
Western Machinery Corp., Portland
Wilco Machine Works, Memphis, Tenn.
Williams—White & Company, Moline, Ill.
R. D. Wood Company, Philadelphia, Pa.
Yates-American Machine Co., Beloit, Wis.; High Point, N. C.; Memphis, Tenn.; Portland

POND BOATS
Nelson Log Bronc Co., Coos Bay, Oregon
Nichols Boat Works, Hood River, Ore.

POWER PLANT EQUIPMENT
Seattle Boiler Works, Seattle

PRESSES, hydraulic, hot plate, cold
Allied Northwest Machine Tool Corp., Portland
Columbia Division, Lodge & Shipley Co., Hamilton, Ohio
Star Machinery Co., Seattle, Wash.
Washington Iron Works, Seattle
Williams White & Co., Moline, Ill.
R. D. Wood Company, Philadelphia, Pa

RADIO and RADIO EQUIPMENT
Motorola Inc., Chicago, Ill.

REFUSE BURNERS
Anderson Blowpipe & Manufacturing Co., Seattle
Archer Blower & Pipe Co., Portland, Ore., and Seattle, Wash.
Phelps Bros., Eugene, Ore.
Seattle Boiler Works, Seattle

ROLLS, rubber
Columbia Rubber Mills, Portland
Kenton Machine Works, Portland

RUBBER SPECIALTIES
Columbia Rubber Mills, Portland
Raybestos-Manhattan, Inc., Manhattan Rubber Div., Passaic, N. J.
Scougal Rubber Mfg. Co., Seattle
Kenton Machine Works, Portland

SAPSTAIN APPLICATORS
Keystone Machine Works, Roseburg, Ore.

SAW GUMMERS
Norton Co., Worcester, Mass.

SAWS, SAW CHAINS, KNIVES, CUTTERHEADS
Atkins Saw Division, Borg-Warner, Indianapolis, Ind.; Portland; Seattle; Los Angeles; Chattanooga, Tenn.

Professional Services

SAWMILL CONSULTANT
and
SAWMILL BUILDER
Walter W. Warner
206 Pennsylvania Avenue
Ontonagon, Michigan **Phone No. 8F2**

YOUR
Professional Services card in this space will reach over 30,000 readers this issue.

THOMPSON & HOLMBERG INC.
CONSULTANTS
Wood Working Plants
Sawmills, Veneer, Planing Mill, Wood Rooms, Barking & Chipping Installations
Terminal Sales Bldg.
Phone CApitol 8-1965 **Portland 5, Oregon**

TIMBERMAN'S ENGINEERING CO.
CIVIL — MECHANICAL ENGINEERS
916 N.E. 25th Ave.
Portland, Oregon **BElmont 4-0424**

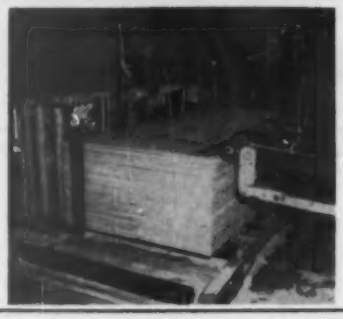
INDUSTRIAL DEVELOPMENT CO.
Dale L. Schubert, Engineering — Designers and Consultants for
HARDBOARD, CHIP & FLAKEBOARD AND OTHER WOOD UTILIZATION PLANTS
Development and mock-up facilities
3848 South Pine **TACOMA 9, WASH.** **Ph. GReenfield 2-4413**
Serving industry on a national and international basis

FOR SAWMILLS SEE
M. A. WARD
CONSTRUCTION CO., INC.
391 E. Third Avenue • Eugene, Oregon
Phone: DI 4-5531

MATER ENGINEERING
Professional consulting engineers for the forest products industry.
Sawmill automation, design, modernization, integrated plants, complete technical and economic studies.
P. O. Box 410 **Corvallis, Oregon**
Phone Plaza 3-7335

ANNOUNCING CONRAD VENEERS, INC.
NEW, MODERN MANUFACTURING PLANT AT TUALATIN, OREGON
TO MANUFACTURE SINGLE PLY VENEERS . . .
CEDAR **KNOTTY PINE** **VERTICAL GRAIN FIR**
also complete
VENEER SLICING AND SPLICING SERVICE
WE CARRY COMPLETE STOCKS OF ALL DOMESTIC AND FOREIGN HARDWOOD VENEERS . . . DIRECT MILL OR LOCAL WAREHOUSE SHIPMENTS ROTARY CUT BIRCH VENEERS IN BOTH RANDOM WIDTHS AND SPLICED TO YOUR SPECIFICATIONS
One crate to a carload: TAKE ADVANTAGE OF OVERNIGHT TRUCKING FACILITIES SERVING THE FURNITURE, FIXTURE AND PLYWOOD MANUFACTURERS OF THE NORTHWEST.
CONRAD VENEERS, INC.
Phone Mercury 9-1101 **7300 S.W. CHILDS ROAD** **BOX 288, TUALATIN, OREGON**

Gilsonite
KILN COATING
PROTECT YOUR KILN INVESTMENT WITH TODAY'S FINEST COATING
CALL US RE YOUR PROBLEMS **ATLANTIC 1-5219**
Manufactured and distributed by
THE GILSONITE CO. **P.O. Box 1980** **Portland 11, Oregon**



AUTOMATIC PANEL STACKER
(U.S. Pat. 2,546,445)

Automation For Plywood

Automatic Stacking of Panels 30x60 To 48x120

Models for Elevator or Tipple

SUTHERLIN MACHINE WORKS
Sutherlin, Oregon

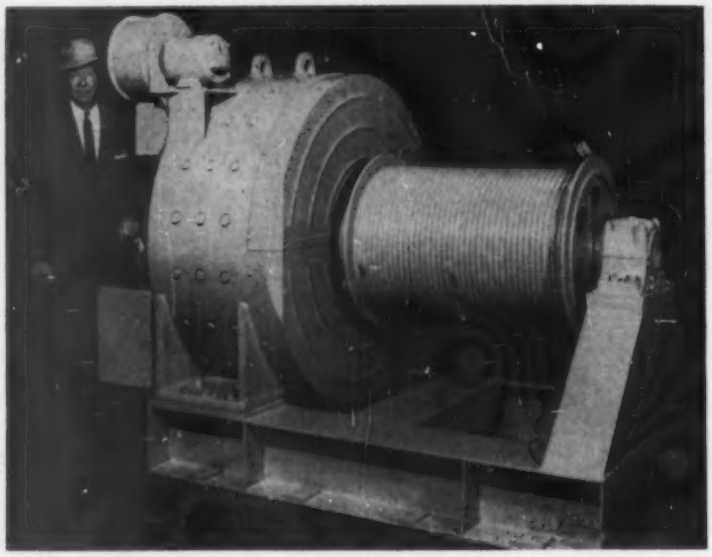
STILL THE BEST!!
IN THE PLYWOOD INDUSTRY

WITH: 1. Constant Sheet Speed Lathe Drives.
2. Fully Automatic Tray Drives.
3. Variable-Speed Barker Drives.
4. Completely Synchronized Systems.

AND THE BEST
IN THE LUMBER INDUSTRY, TOO

with

THE NEW INVINCIBLE ALL ELECTRIC GEARLESS LOG CARRIAGE DRIVE



TYPICAL 150 HP log carriage drive gearless drum unit as assembled by Consolidated Electric Corporation.

CARRYING ON
The Unmatched Performance and Service of
The C. Kirk Hillman Company, Inc.,

Under the New Name of

CONSOLIDATED ELECTRIC CORPORATION
3201 1st Ave. So. — Seattle 4, Wash. — MAIN 3-6561

Caldwell Machinery Co., Portland, Ore.
Cascade Saw & Machine Co., Chehalis, Wash.
R. Hoe & Company, New York City; Seattle; Birmingham, Ala.; Portland
Jones & Orth, Seattle; Memphis
Ohio Knife Company, Seattle; Portland; Oakland; Cincinnati
Pacific Saw & Knife Co., Portland; Los Angeles
Simonds Saw & Steel Co., Fitchburg, Mass.; Portland
Spear & Jackson Ltd., Vancouver, B. C.; Eugene, Ore.

SAW GUIDES
Champion Friction Co., Eugene, Ore.

SAW SHARPENING MACHINERY, swages, tools, etc. (See Filing Room Machinery)

SAWMILL MACHINERY and EQUIPMENT
Albany Machine and Supply Co., Albany, Ore.
Caldwell Machinery Company, Portland
Clyde Carroll Machinery Co., Portland, Ore.
Corley Mfg. Co., Chattanooga, Tenn.
Dominion Bridge Co., Ltd., Vancouver, B. C.
The Enterprise Co., Columbiana, Ohio
Electric Steel Foundry Co., Portland; Seattle, San Francisco; Houston, Texas; Eugene, Ore.; Spokane, Wash.
Filer & Stowell Co., Milwaukee; Portland
Goldstein & Bloch, Aberdeen, Wash.
Irvington Machine Works, Portland
Jaddeloh Bros., Gold Hill, Ore.
Keystone Machine Works, Roseburg, Ore.
Klamath Iron Works, Klamath Falls, Ore.
Klamath Machine & Locomotive Works, Klamath Falls
Kliever Machine Co., Medford, Ore.
Kohler-Joa Corporation, Sheboygan Falls, Wisc.; Chehalis, Wash.
L-M Equipment Co., Portland, Ore.
Lovsted & Co., Inc., C. M., Seattle, Wash.
Mater Machine Works, Corvallis
McDonough Mfg. Co., Eau Claire, Wis.
Mereen-Johnson Machine Co., Minneapolis
Mill Engineering & Supply Co., Seattle, Wash
Mill Equipment, Inc., Seattle
Monarch Forge & Machine Works, Portland
National Machinery Sales, Gold Hill, Ore.
Newman Machine Co., Greensboro, N. C.
Portland Chain Mfg. Co., Portland; Seattle; Bellingham, Wash.
Portland Iron Works, Portland
Portland Machinery Company, Portland
Prescott Iron Works, Inc., Portland
Prineville Machinery & Supply Co., Prineville, Ore.
Salem Equipment & Supply Co., Salem, Ore.
Schurman Machine Works, Inc., Woodland, Wash.
Soderhamn Machine Mfg. Co., Portland, Ore.
Star Machinery Co., Seattle, Wash.
Sumner Iron Works, Everett, Wash.
Tyee Machinery Co., Seattle, Wash.
United Saw Service, Corvallis, Ore.
M. A. Ward Construction Co., Eugene, Ore.
Western Machinery Corp., Portland
Western Steel & Supply Co., Dallas, Ore.
The Wheland Company, Chattanooga, Tenn.
Yates-American Machine Co., Beloit, Wis.; High Point, N. C.; Memphis, Tenn.; Portland
Zidell Machinery & Supply Co., Portland

SCRAGG MILLS
Keystone Machine Works, Roseburg, Ore.

SETWORKS—Automatic
C & D Machine Shop, Riddle, Ore.
Klamath Machine & Locomotive Works, Klamath Falls, Ore.
Mater Machine Works, Corvallis, Ore.
Mill Equipment, Inc., Seattle
Monarch Forge & Machine Works, Portland, Ore.
Sel-Set Machinery Corp., Salem, Ore.
M. A. Ward Construction Co., Inc., Eugene, Ore.

SHINGLE MILL MACHINERY
Sumner Iron Works, Everett, Wash.

SHREDDERS
Jeffrey Manufacturing Co., Columbus

SORTERS, lumber, automatic
The Wheland Company, Chattanooga, Tenn

SPLITTERS, log
L-M Equipment Company, Portland, Ore

SPEED REDUCERS
Dodge Manufacturing Corp., Mishawaka, Ind.
The Falk Corporation, Milwaukee, Wis.
Western Gear Corp., Lynwood, Calif.; San Francisco; Houston and Dallas, Texas; Seattle; Portland; Spokane

SPROCKETS and GEARS
Chain Belt Co., Seattle, Portland, San Francisco
Falk Corporation, Milwaukee; Portland
Link-Belt Co., Chicago, Seattle, Portland, San Francisco, Los Angeles, Spokane, Vancouver, B. C.
Sheridan Gear & Mfg. Co., Portland, Ore.

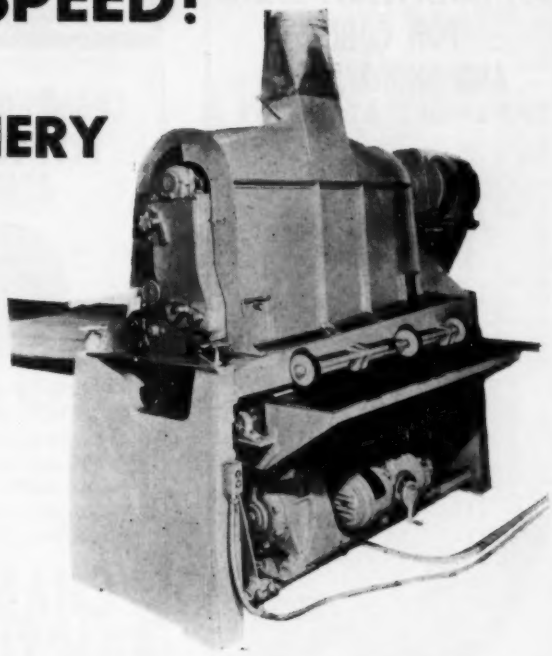
STACKERS, UNSTACKERS, TRANSFERS
Lawson Stacker Co., Memphis, Tenn.
Lovsted & Co., Inc., C. M.
Moore Dry Kiln, Portland; Jacksonville, Fla.
Stetson-Ross Machine Co., Inc., Seattle

STEEL, products, buildings, structural, industrial
Alan Wood Steel Co., Conshohocken, Pa.
Armco Drainage & Metal Products, Inc., Middletown, Ohio; Berkeley, Calif.; Seattle; Portland; Spokane; Atlanta; Denver; Houston; Guelph, Ontario

DESIGNED for ACCURACY, EFFICIENCY and SPEED!

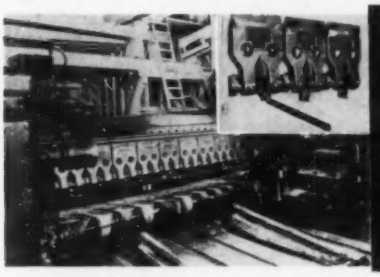
ELFORD
PLYWOOD MACHINERY

. . . Featuring the All New
NYLUND 153 BELT SANDER



Especially Designed to Give the Smoothest Finish Obtainable . . . anywhere!

With the all new NYLUND Belt Sander mills and plants can now have fast, efficient sanding with assured accuracy and improved quality finishes. The patented Smoothing Bar, plus the simple yet positive adjustments and close sanding tolerances are just some of the important new features that will increase your quality production. *Just minutes required between cutting and polishing operations!* The Smoothing Bar provides greater accuracy and a smoother, dust-free finish. Tolerance is held to plus/minus .003, regardless of surface or specie.



ELFORD VENEER KNIFE CLAMPS

Elford Positive Veneer Knife Clamps quickly pay for themselves in better, more uniform cuts, reduced grinding costs, and reduced downtime. Especially designed to absorb the shocks of heavy production runs, thereby enabling knives to cut faster and longer.

ROLLER BAR REPAIR

We have complete equipment and facilities for fast, efficient Roller Bar repair.

24-hour Service

COMPLETE STRONG-BACK REPAIR AND SERVICE

Expertly ground to plus/minus .001

●

BARS

We Repair All Lengths

Elford Plywood Machinery has complete equipment and facilities for Strong-Back service. All bars ground to a bearing finish with machine tool tolerance.

Elford Plywood Machinery, Inc., is now serving the needs of the plywood and veneer industry with quality machinery and equipment. Our service also includes complete shop repair facilities and lathe repair.

Let us show you how Elford's quality equipment and service can help solve production problems in your plant.

FOR MORE COMPLETE INFORMATION MAIL THIS COUPON TODAY!

- ☐ Nylund 153 Belt Sander
- ☐ Elford Veneer Knife Clamps
- ☐ Strong-Back Repair and Manufacture
- ☐ Roller Bar Repair 24-hr. Service

NAME.....

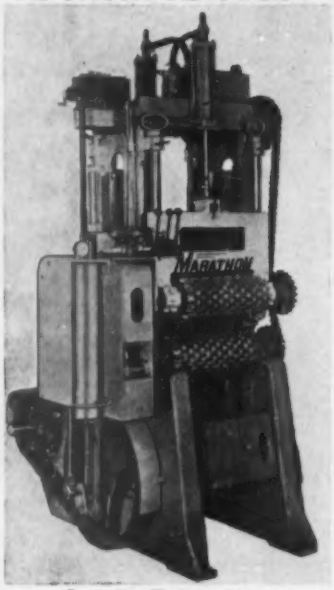
COMPANY.....

ADDRESS.....

ELFORD PLYWOOD MACHINERY, INC.

2024 N. ARGYLE STREET • PORTLAND 17, OREGON

NOW——
A MARATHON GANG
FOR CORES
AND SHORT STOCK
AS SHORT AS 4 FOOT



Call Us Today About
MARATHON GANGS
Sales & Service by
Portland Machinery Co.
208 S. W. First Avenue
Portland 4, Ore. CApitol 8-9633

POWER PLANT EQUIPMENT
Turbines • Boilers • Diesels—Any Size
Write for Prices Giving Your Requirements
CHARLES WEAVER CO., INC.
19701 James Couzens Highway • BR 3-1900 • Detroit 35, Mich.

CHAMPION E-Z-GLIDE PLYWOOD DRYER BEARINGS

★ Long life and Non-Breakable in general use.
★ Graphite lubrication (**not** carbon) cut your maintenance costs.
★ Fracture proof against fire and water drenching.

CHAMPION FRICTION CO.
NOW IN OUR MODERN HOME IN NEW EUGENE INDUSTRIAL AREA
2575 7th Place West
P. O. Box 508 Eugene, Oregon
Telephone: DI 3-8831 *Emergency:* DI 4-7591

Increase Profits... Improve Plant Efficiency!

Call
MEDFORD BLOW PIPE CO.
specialists in designing, fabricating and installing: Blower and Pneumatic "Conveyair" Chip Systems, Blowers, Conveyors, Dust Collecting and Air Pollution Control Systems, Burners and Burner Repair. Butler Steel Buildings and Gladding, McBean & Co. Refractories.
REASONABLE PRICES . . .
TOP QUALITY, GUARANTEED
WORK ANYWHERE ON THE PACIFIC COAST AND ALASKA

Medford BLOW PIPE CO. INC.
220 McAndrews Rd., Medford, Ore., Spring 3-6294

STEEL STRAPPING and STRAPPING TOOLS
Acme Steel Co., Chicago; Seattle; Portland; San Francisco; Atlanta; Spokane, Wash.
Gerrard Steel Strapping Division, U. S. Steel Corp., Chicago; Seattle; Portland; So. San Francisco; Birmingham, Ala.
Signode Steel Strapping Co., Chicago; Seattle; Portland; San Francisco; Spokane, Wash.; Vancouver, B. C.
Stanley Works, New Britain; Seattle, Portland

TIRES
Firestone Tire & Rubber Co., Akron, Ohio
General Tire & Rubber Co., Akron, Ohio; Portland
B. F. Goodrich Co., Akron, Ohio; Portland; Seattle
Goodyear Tire & Rubber Co., Akron, Ohio; Portland; Seattle
U. S. Rubber Company, New York City; Portland; Seattle

TORQUE CONVERTERS
Schneider Division of Westinghouse, Muncie, Ind.
Western Gear Works, Seattle

TRACTORS, Crawler
J. I. Case Mfg. Co., Racine, Wis.
Allis-Chalmers Co., Milwaukee, Wis.
Caterpillar Tractor Co., Portland; Seattle; San Francisco; Peoria, Ill.
Euclid Div., General Motors Corp., Cleveland, Ohio
International Harvester Co., Chicago, Ill.
John Deere Co., Moline, Ill.
Oliver Corp., Chicago, Ill.

TRACTORS, Rubber Tired
Allis-Chalmers Co., Milwaukee, Wis.
J. I. Case Co., Racine, Wis.
Caterpillar Tractor Co., Portland; Seattle; San Francisco; Peoria, Ill.
Frank G. Hough Co., Libertyville, Ill.
John Deere Co., Moline, Ill.
R. G. LeTourneau, Inc., Longview, Texas
LeTourneau-Westinghouse Co., Peoria, Ill.

TRAILERS, log and lumber
Beall Pipe & Tank Co., Portland
Peerless Trailer & Truck Service, Portland, Ore.
Reliance Trailer & Truck Co., San Francisco

TRIMMERS
Albany Machine & Supply, Albany, Ore.
Irvington Machine Works, Portland, Ore.
Portland Iron Works, Portland
Stetson-Ross Machine Co., Inc., Seattle
Klamath Iron Works, Klamath Falls, Ore.
Klamath Machine & Locomotive Works, Klamath Falls, Ore.
Sumner Iron Works, Everett, Wash.; Vancouver, B. C.

VALVES, FLANGES
Zidell Machinery & Supply Co., Portland, Ore.

VALVES, Steam, air, hydraulic
E. C. Davies, Portland, Ore.
Valvair Corp., Akron, Ohio
Western Machinery Corp., Portland

WAREHOUSING and FINANCING
Douglas-Guardian Warehouse Corp., New Orleans; Portland; San Francisco; Atlanta, Ga.; Dallas, Texas
Lawrence Warehouse Co., San Francisco

WINCHES
Hyster Company, Portland, Ore.
Pacific Car & Foundry Co., Renton, Wash.; Chicago

WOOD PIPE
Federal Pipe & Tank Co., Seattle

WOOD PRESERVATIVES
Chapman Chemical Co., Memphis, Tenn.; Portland; Palo Alto, Calif.
Dow Chemical Co., Midland, Mich.; Seattle
Monsanto Chemical Co., St. Louis, Mo.; Seattle
Reichhold Chemical Co., White Plains, New York; Seattle; San Francisco; Port Moody,
Wood Treating Chemicals Co., St. Louis, Mo.; Portland

WOODWORKING MACHINERY
Cascade Saw & Machine Co., Chehalis, Wash.
Greenlee Bros. & Co., Rockford, Ill.
Kohler-Joa Corporation, Sheboygan Falls, Wisc.; Chehalis, Wash.
Stetson-Ross Machine Co., Seattle, Wash.
Tyee Machinery Co., Seattle, Wash.
S. A. Woods Machine Co., Boston, Mass.; Portland, Ore.

PACIFIC CARBIDE TIPPED SAWS

ARE CUTTING MORE PLYWOOD AND CUTTING IT BETTER THAN ANY OTHER MAKE OF SAW — *Let us show you why*

PACIFIC SAW & KNIFE COMPANY

PORTLAND 14, OREGON — 910 S. E. STARK STREET — PHONE BE 4-5463
EUREKA, CALIFORNIA — 431 A STREET — PHONE HI 2-7574

Better BEARING SERVICE

CONVENIENTLY NEAR WHEREVER YOU ARE

Complete Stocks
Experienced People

BEARING SALES & SERVICE, INC.

Everett—Seattle—Tacoma—Aberdeen—Pasco—Longview—Portland—Eugene—Roseburg

FEDERAL PIPE & TANK CO.

Wood Pipe
2 inches to 16 feet diameter.
Wood Tanks
100 gallons to 500,000 gallons capacity.
6851 East Marginal Way
PArkway 2-0582 Seattle, Wash.

Thompson METAL FAB

2054 N. VANCOUVER AVENUE
PORTLAND 17, OREGON
AT 4-1101

TRAY SYSTEMS
CONVEYORS
BLOW PIPE

Custom Built Equipment for the Wood Industry

GENCO

D. C. VARIABLE SPEED DRIVES
for
VENEER LATHES, CARRIAGES and PLANERS
RECONDITIONED MOTORS AND STARTERS

GENERAL INDUSTRIAL ELECTRIC CO.

418 S. E. Harrison St., Portland 14, Oregon — BE 5-3775
PHONE OR WRITE US

$$$ MAINTENANCE PROBLEMS? $$$

★ **GLUE LINES**—Jamesbury Ball Valves
★ **CHIPPER FEED SYSTEMS**—(We Design Special Belts)
★ **CONVEYOR DRIVES**—Bauer Totally-Enclosed Motorized Pulleys
★ **VENEER TRAY SYSTEMS**—(Special Veneer Belts)
★ **STEAM LINES**—Sarco, Armstrong Traps, Barco Joints, ACF, Jenkins, Fairbanks, Jamesbury Valves Ball, Globe, Gate Valves

GOODYEAR RUBBER & SUPPLY CO.

A consolidation of Harris Supply Co. and Goodyear Rubber & Asbestos Co.

SERVICE *Since 1893*

205 N. W. 5th Ave., Portland 9, Oreg.
Telephone: CApitol 6-6671

BUYERS GUIDE
SECTION

FOR SALE

Moore Cross-Circulating Progressive Dry Kiln with controls and boiler.

Write: 1962 1st Avenue South, Seattle, Washington, or phone: Main 4-4444

WESTERN *TRUE STEEL SHOT PEENED*
ROLLER CHAIN SPROCKETS
AT LEADING INDUSTRIAL DISTRIBUTORS
Manufactured by
SHERIDAN GEAR and MANUFACTURING COMPANY
716 N.E. 3d Ave. Portland, Oregon

We invite your inspection

of the most modern DRY KILN today—with tomorrow's design.

PERMANENT Construction . . . **PROVEN** Design . . . Best **EQUIPMENT** . . . Perfect **CONTROL**

WILSON DRY KILN CO.
Box 127 Post Falls, Idaho

Nichols Steel Boom Pond & Tug Boats

"Boom Boat" "Jet Dozer"

MANEUVERABLE & RUGGED

Nichols steel boom boats and tug boats, are used wherever logs are sorted, handled or towed. 16'-20'-24' boom boats. Ask about our Jet Dozer Boats.

Write for pamphlet with names of users and other descriptive matter.

Nichols Boat Works Co.
HOOD RIVER, OREGON
Phones: Shop: 6112 Office: 4284

NORTHWEST WOOD PRODUCTS HEADQUARTERS

TERMINAL SALES BUILDING
Portland 5, Oregon

AMPLE PARKING
S.W. 12th & Morrison Sts.

write for details
Joseph Hull, mgr.
Phone . .
CA 2-9391

TERMINAL SALES BLDG.

whole family of PENINSULA. VENEER HOGS

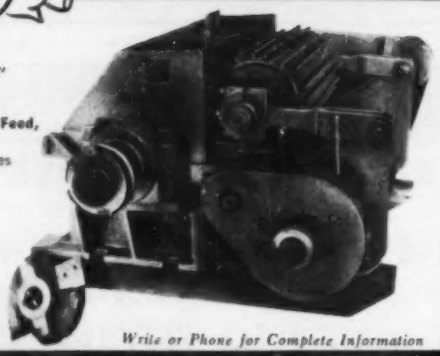
FOUR SIZES: 18", 30", 42" and 48"

FOUR TYPES: Chain Feed, Belt Feed, Hopper feed, and Roller feed

Hardened steel, reversible anvil plates

THE *Standard for 30 yrs. in Veneer Plants*

PLYWOOD & SAWMILL MACHINERY SINCE 1925



Write or Phone for Complete Information

PENINSULA *IRON WORKS*
6618 N. ALTA AVENUE · AVenue 6-4461 · PORTLAND 3, OREGON

Industrial Supply Co.
KALISPELL, MONTANA

MONTANA'S LARGEST INDUSTRIAL SUPPLIER NATIONALLY KNOWN LINES

BAND & CIRCULAR SAWS & SAW BITS
GANGSAWS AND BANDMILLS
BALL AND ROLLER BEARINGS
PLANERS, KNIVES AND CUTTER HEADS
GRAVITY ROLLS
SAW GRINDING EQUIPMENT AND GRINDING WHEELS
ELECTRIC MOTORS AND CONTROLS
V BELTS, FLAT BELTS AND LACING
AIR & HYDRAULIC VALVES & CYLINDERS
COMPLETE SAWMILL EQUIPMENT
KNIFE & SIDE HEAD GRINDERS
STEEL & CAST IRON SAWMILL CHAIN
ROLLER CHAIN AND SPROCKETS
POWER & TRANSMISSION MACHINERY
EDGERS AND TRIMMERS
WINCHES AND HOISTS
BARKERS
CHIPPERS

175 N.E. Railroad St.
KALISPELL, MONTANA
P. O. Box 473
Phone SKyline 6-5900

Planning Construction?

CALL:
BUtler 5-2517

OR WRITE

FABRICATED STEEL
CUSTOM MANUFACTURERS OF
COMPONENT PARTS for
Log Hauls · Conveyors · Side Lifts
Skid Decks · Machinery Bases
Structural Steel Buildings

LEWIS-RIFFEL, Inc.
P. O. BOX 4257
PORTLAND 8, ORE.
ESTIMATES GLADLY

STEEL FABRICATION AND ERECTION · LEWIS-RIFFEL, INC. ·

The Lumberman's Classified Advertising Section

ATTENTION—WHOLESALE PLYWOOD SALESMAN

If your bent is toward a sales on a National scale and feel your present status limits you—contact us. We offer a career for a man with ability and drive. Located Portland area—many Company benefits and opportunities for advancement.

Write TL Box 426, c/o THE LUMBERMAN, 731 S. W. Oak Street, Portland 5, Oregon

WANTED

Position as Controller, Financial Officer—Age 33; B.A.; C.P.A.; Legal training. Nine years heavy diversified experience as chief accountant in administration, financial and cost accounting, insurance, systems, budgets and taxes.

Write TL Box 422, c/o THE LUMBERMAN, 731 S. W. Oak Street, Portland 5, Oregon.

Wanted wholesale lumberman from Northern Oregon or Washington. Experienced in Eastern Douglas Fir shipments. Willing to move to Sacramento. Salary plus commission.

Reply to Boeggeman Lumber Company, P. O. Box 6186, Country Club Sta., Sacramento 21, California.

WANTED—Mechanical or Civil Engineer with three to four years experience to work as Plant Engineer in large forest products industry located in the South. Industry experience not necessary. Write: Personnel Supervisor, Kirby Lumber Corporation, Silsbee, Texas.

FOR SALE

MOULDING AND CUT-STOCK PLANT IN SNOWFLAKE, ARIZONA

Includes approximately 6 acres of land, large shed and equipment in good operating condition. Priced to sell.

Write

ELI GORODEZKY

733 First National Bank Bldg.
Phoenix, Arizona

FOR SALE

Mereen-Johnson 5 ft. vertical band resaw, Model 215. Excellent operating condition. Complete with 40 H.P. motor, compensator-starter and V-belt drive. Price $6000.00 F.O.B. Poland, New York.

NORTHERN LUMBER CO., INC., POLAND, N. Y.

FOR SALE

Two complete Filer & Stowell Automatic Setworks at one half our original cost. Installed new—improved type—Inspection invited. Write for details.

Diamond National Corporation
Box D
Red Bluff, California

WANTED TO BUY

Reliable Eastern jobber desires source for shop grade or reject Birch and Walnut plywood panels.

Write TL Box 421, c/o THE LUMBERMAN, 731 S. W. Oak Street, Portland 5, Oregon

405 HP RILEY STEAM PLANT

Good as new. 270 lbs. W.P. Available now.

ME 2-0124, CH 2-2902, SU 4-3264
Seattle, Washington

USED PLANING MILL MACHINERY

HARRY G. BLAKE

P.O. Box 327 **Gearhart, Oregon**
Phone—REdfield 8-5444

YATES 49" 8-DRUM SANDER

Direct motor driven each drum. Complete with switches, starters, blower system.

BLACK BROS. PRESS 50"x100", 60" opening, all electric, new condition.

BURKE MILLWORK COMPANY
P. O. Box 1930
Seattle 11, Washington
MElrose 2-0124 **CHerry 2-2902**

MODERN STUD MILL

This plant complete in every way. All steel and concrete construction with planer and dry kiln, burner, yard equip., etc. Located on rail. Plenty of timber available. Cost over $150,000 and is priced for quick sale due to owner's health.

Write TL Box 423, c/o THE LUMBERMAN, 731 S. W. Oak Street, Portland 5, Oregon.

COLLEGE MAN WITH 25 YEARS EXPERIENCE IN LUMBER looking for connection in buying, selling or manufacturing.

Write TL Box 427, c/o THE LUMBERMAN, 731 S. W. Oak Street, Portland 5, Oregon

CALDWELL MACHINERY CO.

MACHINERY—Appraisals, Liquidations
Sawmill—CONSULTANTS—Planing Mill

AGENT
GALLAND—HENNING—"NOPAK"
Cylinders & Valves—air, oil & water hydr.
"NOPAKMATIC"—Solenoid Valves—JIC stds.

DISTRIBUTORS
CLARK ELECTRIC CONTROLS
Starters—Switches—Central Controls
R. HOE & CO., Inc.—SAWS
JONES & ORTH—Planer, Veneer knives
N. W. MARINE IRON—Pond & Deck Saws
STERLING ELECTRIC MOTORS
Standard, Slo-speed & Speed-trol

738 N. W. Glisan St., Portland 9, Ore.
CA 6-3568

We offer for sale:

COMPLETE VENEER MILL

Excellent condition. Ready for 5 million feet annual production. Orders available for capacity. Ready chip market. Adequate sprinklered area for expansion to Plywood or Box Manufacturing in 60,000 sq. ft. veneer mill building located on 15 acres of land on Mississippi River. Facilities for handling logs or other commodities by water as well as rail and truck. Two Coe Dryers—one 11-section 4-line and one 7-section 3-line. Two Jackson Lathes, 78½" and 66½". Jackson Chipper and loading system. 1200 HP boiler capacity including 250 HP automatic gas fired. Experienced labor and foremen. Low insurance rates. High production circular sawmill on same plant site. Reason for selling—other interests. Priced for quick sale. Terms to well rated buyer.

J. M. Jones Lumber Company
P. O. Box 558
Natchez, Mississippi

FOR SALE—One used plywood panel sizing unit $9,500.00.

Write or call

CASCADE SAW & MACHINERY CO.
Chehalis, Washington

ARGENTINE TIMBER LAND

Approx. 80,000 acres of virgin timber land in Prov. Misiones with Cedar and Hardwoods. Land once cleared. Excellent for reforestation. Much higher rate of growth than Canada or Europe. Citrus, pineapple, tea, tung, etc. Family selling due to death duties; not sufficient capital to work. Willing to consider partnership. Price: $8 the acre. Casilla de Correo 495.

Address: Moreno 1264, Buenos Aires, Argentina, South America.

SPECIAL BUILT UP RIGHT HAND SAWMILL CARRIAGE:

3 Block, 8"x10"x20 Ft. rock elm frame with 8" channel top, 48" Platform, 2" plank rear end scraper, 3 Prescott Knees and 40" head blocks, #77 air dogs and telescoping air transmitter, Allis-Chalmers #3 Trout electric power setworks, belt driven from 5 H.P. A.C. motor, 3 phase, 60 cycles, 440 volts. Prescott roller bearing track wheels, Murray truck-type drag offset. Prescott 12"x42 Ft. Shotgun steam feed, 3⅜" Piston rod, 4" Valves.

D. J. MURRAY #102 EDGER:

50" Right Hand Edger, 5 Saws—2 stationary, Arbor 4¼". 12"x14" arbor pulley front table with four 4"x50" divided pipe rolls—1 live. Five lever hand set works and guides.

DIAMOND IRON WORKS #1467 BANDMILL:

Right hand, 8 ft. Band Mill. 11" face wheels for 12" saw. 44"x21" pulley. Complete.

The Connor Lumber & Land Co., Laona, Wisconsin

FOR SALE

WOODS Model 450-BM, 30", 8Kn, Dble. Surfacer. DIRECT MOTORED: 60 Top, 50 Bot. 20 Feed. REBUILT.

MATTISON Model 226, 12", 4 Head, Electric Moulder, 15 Hp Top and Bot, 7½ Hp. both sides, 5 Hp feed. GOOD CONDITION.

McCOY MACHINERY

745 So. Lincoln St., Stockton 3, Calif.

THE LUMBERMAN'S ADVERTISING INDEX

THESE ADVERTISERS BELIEVE in the FOREST INDUSTRIES AND ARE WELL PREPARED TO SERVE YOU

A

Aberdeen Plywood & Veneers, Inc.----169
Acme Steel Co.----14
Alloy Welding & Fabricating Co.----209
American Lumber Co., Inc.----154
American Mfg. Co., Inc.----102
American-Marietta Co.----19
American Sheet Metal Works, Inc.----174
Anacortes Veneer, Inc.----112
Anderson Blowpipe & Mfg. Co.----203
Archer Blower & Pipe Co., Inc.----207
Ardies Machinery & Sales----209
Astoria Plywood Corp.----122
Atkins, Kroll & Co.----99
Autocar Div. of The White Motor Co.----90

B

Baier & Associates, L. S.----210
Baldwin-Lima-Hamilton Corp., Hamilton Div.----29
Balfour, Guthrie & Co., Ltd.----155
Bamford Special Machinery, Inc.----173
Bartlett Electric Co.----203
Bearing Sales & Service----215
Bennett Veneer Factors, Inc.----168, 172
Borden Chemical Co., The----27
Buffelin Sales Co.----175
Burke Millwork Co.----217

C

C. F. Machinery Co.----178
Caldwell Machinery Co.----217
Canadian Western Lumber Co., Ltd.----9
Cardwell Machine Co.----157
Carter Products Co., Inc.----158
Cascade Saw & Machinery, Inc.----80-81
Cascades Plywood Corp.----78
Central Building Supply, Inc.----154
Centralia Plywood, Inc.----157
Champion Friction Co.----214
Chemical Process Co.----23
Clear Fir Sales Co.----96-97
Coe Mfg. Co., The----15, 186
Western Division----159
Columbia Rubber Mills----203
Connor Lumber & Land Co.----217
Conrad Veneers, Inc.----211
Consolidated Electric Corp.----212
Construction Fabricators, Inc., of Oregon----197
Controls & Communications Co.----182
Coquille Valley Lumber Co.----94
Corley Mfg. Co.----160

D

Dant & Russell, Inc----162-163
Dant & Warnock, Inc.----104
DeBurah Conveyors, Inc.----136
Diamond Dry Kiln----121
Diamond Lumber Co.----153
Douglas Fir Plywood Assn.----16-17
Dwyer Lumber & Plywood Co.----179

E

Ederer Engineering Co.----30-31
Ekstrom Carlson & Co.----117
Electro Chrome, Mill Div.----195
Elford Plywood Machinery, Inc.----213
Elliott Bay Plywood Machines Co.----Cov. 3
Elma Plywood Corp.----181
Engineered Plywood, Inc.----190
Esse Radio Co.----165
Evans Products Co.----156
Everett Plywood & Door Corp.----42

F

Far Western Equipment & Chemical Co.----1-2
Federal Pipe & Tank Corp.----215

G

General Industrial Electric Co.----215
General Petroleum Corp.----24
Georgia-Pacific----118
Gilsonite Co., The----211
Globe Machine Mfg. Co.----123, 210
Goodyear Rubber & Supply Co.----215
Grants Pass Plywood, Inc.----161
Graphite Metallizing Corp.----13, 106
Greenlee Bros. & Co.----12, 76
Grenco, Inc.----83

H

Hamilton Div., Baldwin-Lima-Hamilton Corp.----29
Hampton Plywood Co.----189
Hanchett Mfg. Co.----187
Haseltine & Co., J. E.----171
Haskew & Co., Inc., R. K.----208
Hoe & Co., Inc., R.----36-37
Howard-Cooper Corp.----121
Hub City Plywood Corp.----164
Humboldt Machine Works----207

I

Industrial Development Co.----211
Industrial Supply Co.----216
International Paper Co., Long-Bell Div.----82
Interstate Container Corp., Interstate Plywood Sales Co.----191

J

Jeddeloh Brothers Sweed Mills, Inc.----35
Jeffrey Mfg. Co., The----43
Jones & Orth Cutter Head & Knife Div. of R. Hoe & Co., Inc.----36-37
Jones Lumber Co., J. M.----217
Jones Veneer & Plywood Co.----39
Jordan International Co.----198

K

Kelly-Van Vleet, Inc.----84
Kenton Machine Works----208
Keystone Machine Works----203
Kimwood Machine Co.----206
Klamath Machine & Locomotive Works, Inc.----183
Koch Sons, Inc., Geo.----136
Kohler-Joa Corp.----80-81

L

L-M Equipment Co.----127
Lane Plywood, Inc.----26
Laucks Laboratories, Inc.----191
Lewis-Riffel, Inc.----216
Lodge & Shipley Co., The----119
Long-Bell Div., International Paper Co.----82
The Lumberman----151
Lund Plywood & Mfg. Co.----187
Luster Engineering & Machine Works----203

M

McCoy Machinery----217
Mann-Russell Electronics, Inc.----89
Market Guide----137
Martin Bros. Container & Timber Products Corp.----194
Mater Engineering----211
Mater Machine Works, Inc.----198
Matthews & Co., Jas. H.----133
Mattison Machine Works----131
Medford Blow Pipe Co., Inc.----214
Medford Machinery Co.----130
Medford Veneer & Plywood Corp.----192
Meiki Co., Ltd.----10
Menasha Plywood, Div. of Menasha Wooden Ware Corp.----28
Mereen-Johnson Machine Co.----20-21
Merit Products, Inc.----191
Midwest Hardwood Flooring & Plywood Co.----154
Monsanto Chemical Co.----91
Moore Dry Kiln Co.----126
Multnomah Plywood Corp.----111

N

National Machinery Sales, Inc.----35
Nelson Log Bronc Co.----209
Nichols Boat Works Co.----216
Nicholson Mfg. Co.----124
Nickey Brothers, Inc.----186
Nielsen Saw & Mfg. Co.----185
North Pacific Plywood, Inc.----158
Northeast Ohio Machine Builders, Inc.----176
Northwest Chains & Sprockets, Inc.----205
Northwest Door & Plywood Sales, Inc.----177
Northwest Engineering Co.----4
Northwest Wood Products Hdqtrs.----216

O

Ohio Knife Co., The----40
Olympic Mfg. Co.----190
Oregon Industrial Factors----208
Oregon-Pacific Plywood Corp.----125
Oroply Corp.----104

P

Pacific Adhesives Co., Inc.----176
Pacific Plywood Co.----Cov. 4
Pacific Pumping Co.----1-2
Pacific Saw & Knife Co.----215
Pacific Wood Products Co.----132
Pasquier Panel Products, Inc.----88
Peninsula Iron Works----216
Pennsalt of Washington Div., Pennsalt Chemicals Corp.----44
Phelps Bros.----203
Plywood & Veneer Sales Co.----161
Plywood Service, Inc.----Cov. 4
Portland Chain Mfg. Co.----160
Portland Machinery Co.----214
Prentice Co., E. V.----95
Projo Industrial Corp.----204
Puget Sound Plywood, Inc.----86

Q

Quaker Oats Co., Chemicals Div.----93

R

Rader Pneumatics, Inc.----165
Rainier Plastics Co., Div. of Rainier Plywood Co.----196
Rambo, W. H.----208
Reichhold Chemicals, Inc.----32-33
Reliance Varnish Co., Inc.----75
Rens Mfg. Co.----203
Republic Electric & Development Co.----22
Robinson Plywood & Timber Co.----42
Roseburg Lumber Co.----5

S

Salem Iron Works----210
Santiam Lumber Co.----11
Sawyer Machine Works----208
Schmutz Mfg. Co.----74
Scougal Rubber Mfg. Co., Inc.----180
Seattle Boiler Works, Inc.----205
Sheridan Gear & Mfg. Co.----216
Sierra Lumber Co.----Cov. 4
Signode Steel Strapping Co.----77
Simonds Saw & Steel Co.----8
Simpson Logging Co.----Cov. 2
Skoog Mfg. Co., Inc.----120
Smythe Co., Ray----203
Soderhamn Machine Mfg. Co.----73
Southern Oregon Plywood----129
Spear & Jackson----188
Spitzer, Irving----205
Standard Dry Kiln Co.----92
Standard Veneer & Timber Co.----195
Star Machinery----190
Stetson-Ross Machine Co., Inc.----135
Suburban Gas Service----6
Sumner Iron Works----85
Sutherlin Machine Works----212

T

Tallman Machinery Co., Inc.----166
Tarter, Webster & Johnson, Inc.----193
TECO----11
Thompson Metal Fab----215
Thompson & Holmberg, Inc.----211
Three Sisters Plywood, Inc.----184
Timberman's Engineering Co.----211
Timesaver Sanders----170
Towmotor Corp., Gerlinger Div.----79

U

Umpqua Lumber Co.----Cov. 4
Union Oil Co. of California----34
United Plant Equipment Co.----209
United States Plywood Corp.----18

V

Vancouver Plywood Co.----41

W

Wapakoneta Machine Co., The----105
Ward Construction Co., M. A.----211
Warner, Walter W.----211
Washington Iron Works----98
Washington Plywood Co.----25
Weaver Co., Inc., Charles----214
Welsh Panel Co.----103
West Coast Plywood Co.----185
Western Forest Sales Corp.----192
Western Machinery Corp.----208
Western Veneer & Plywood Co.----11
Westinghouse----87
White Motor Co., Autocar Div.----90
Wilco Machine Works, Inc.----134
Willamette National Lumber Co.----11
Willamette Plywood Corp.----183
Willamette Valley Lumber Co.----11
Williams Plywood Co.----25
Williams-White & Co.----7
Wilson Dry Kiln Co.----216
Woods Machine Co., S. A.----38

Y

Yates-American Machine Co.----128

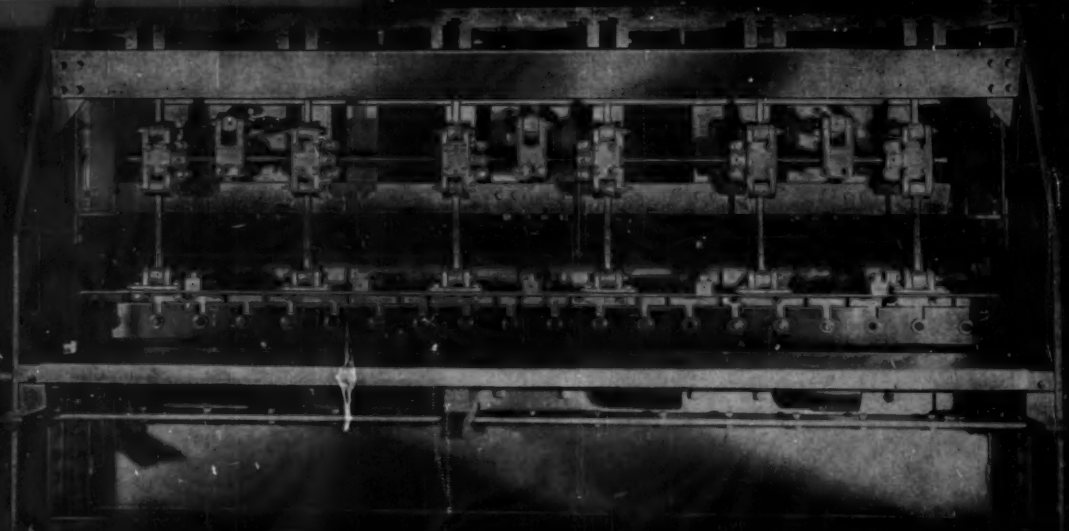
Z

Zidell Machinery & Supply Co.----205

While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in this index.

GREATER VENEER RECOVERY

Achieved with the
ELLIOTT BAY SEMI-AUTOMATIC CLIPPER



FOR ALL VENEER OPERATIONS

Greater efficiency in veneer cutting is introduced by the Elliott Bay Semi-Automatic Clipper, proved by years of successful operation in many Douglas fir, pine and hardwood plywood factories.

Plant space is conserved as long storage trays are unnecessary, the Elliott Bay Clipper can be short-coupled to the lathe, with which it is synchronized at lathe speed.

Tearing of veneer is eliminated, thus saving raw material, the clean-cutting clipper knife operates against a long-lasting copper shear bar.

Push button controls afford accurate selectivity of veneer of varying widths. The advanced and tested Elliott Bay Clipper is of all-steel, precision construction. Ease of installation and minimum upkeep demonstrated repeatedly.

SAVES SPACE
FAST-ACTING
ACCURATE

ELLIOTT BAY PLYWOOD MACHINES COMPANY

630 West Spokane Street, Seattle 4, Washington

Sales Representative: WIENKER MACHINERY CO., Maritime Building, Seattle 4, Washington

Hardwood Plywoods
Specialty Plywoods
Sheathing
Exterior and interior sanded panels
Texture One-Eleven
PlyForm concrete form
(Member DFPA)

Pacific Plywood co.

DFPA TESTED QUALITY

Pacqua INC.

Par-TILE block flooring
Par-WOOD interior particle board
Par-TEX exterior particle board
Par-FORM concrete form
DUO-Faced Par-WOOD (embossed)
IRB Insect Repellent Board
3-D Exterior Siding
Par deLux' pre-filled panel

You get a complete selection of building materials in just...

One Call for all!

No longer do you need dozens of suppliers to fill your building materials needs. Now you can get everything at one time . . . in just one order . . . from Plywood Service. All you need do is pick up your phone . . . dial OSborne 9-8781 in Dillard, Ore. Then relax with the assurance that P. S. will carry the ball from that point on, promptly, efficiently and with personal attention to your order.

With the recent addition of Umpqua Lumber Co. to the Plywood Service—represented manufacturers, P. S. now offers a complete selection of guaranteed quality plywood, particle board and lumber. Just scan this page for the famous trade-marks that will be on the materials you order from P. S.—all symbols of high standards in manufacturing.

You get all these nationally accepted, top quality products—in mixed or straight cars—at fair market prices.

PV Aero Board Perforated Hardboard
PV Utility Board
PV Weatherproof Hardboard
PV SQUARE-Tex
PV Plank BOARD
PV tempered Hardboard
PV Tile Board
PV Colonial Board

PV BRAND

Embossed Plywoods
Embossed DUO-Faced particle board
(Kascade, Shan-Tong, Sketchwood patterns)

SIERRA LUMBER CO.

NPDA

Studs
Crossarms
Clears
West Coast species lumber
(Member WCLIB)

UMPQUA LUMPER CO.

PHONE OSborne 9-8781
TWX RS-84-U

ONE CALL For ALL

PLYWOOD SERVICE INC.

P. O. BOX 78 . . . DILLARD, OREGON

Member, National Plywood Distributors Association, DFPA and WCLIB

Call OSborne 9-8781 Now!

(Dillard, Ore.)

Let us explain in only 3 minutes how we can save you money with our exclusive inventory control system.